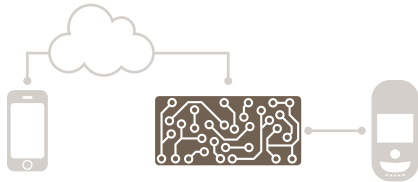# EVOHD

Programming Guide

Version 1.11 and higher

PARADOX™

Warranty

For complete warranty information on this product please refer to the Limited Warranty Statement found on our Web site: www.paradox.com. Your use of this Paradox product signifies your acceptance of all warranty terms and conditions.

Limitations of Alarm Systems
It must be understood that while your Paradox alarm system is highly advanced and secure, it does not offer any guaranteed protection against burglary, fire or other emergency (fire and emergency options are only available on certain Paradox models). This is due to a number of reasons, including by not limited to inadequate or improper installation/positioning, sensor limitations, battery performance, wireless signal interruption, inadequate maintenance or the potential for the system or telephone lines to be compromised or circumvented. As a result, Paradox does not represent that the alarm system will prevent personal injury or property damage, or in all cases provide adequate warning or protection.

Your security system should therefore be considered as one of many tools available to reduce risk and/or damage of burglary, fire or other emergencies, such other tools include but are not limited to insurance coverage, fire prevention and extinguish devices, and sprinkler systems.

We also strongly recommend that you regularly maintain your security systems and stay aware of new and improved Paradox products and developments.

Warning for Connections to Non-Traditional Telephony (e.g., VoIP)
Paradox alarm equipment was designed to work effectively around traditional telephone systems. For those customers who are using a Paradox alarm panel connected to a non-traditional telephone system, such as Voice Over Internet Protocol (VoIP) that converts the voice signal from your telephone to a digital signal traveling over the Internet, you should be aware that your alarm system may not function as effectively as with traditional telephone systems.

For example, if your VoIP equipment has no battery back-up, during a power failure your system's ability to transmit signals to the central station may be compromised. Or, if your VoIP connection becomes disabled, your telephone line monitoring feature may also be compromised. Other concerns would include, without limitation, Internet connection failures which may be more frequent than regular telephone line outages.

We therefore strongly recommend that you discuss these and other limitations involved with operating an alarm system on a VoIP or other non-traditional telephone system with your installation company. They should be able to offer or recommend measures to reduce the risks involved and give you a better understanding.

Things You Need to Know

About this Programming Guide

Use this programming guide to record programmed settings for your Digiplex EVOHD control panel. This guide should be used along with the *Digiplex EVOHD Reference and Installation Manual* (available online only) whenever installing or programming your Digiplex EVOHD system.

Conventions

The following typographical conventions are used throughout this guide:

Section numbers appear in bold typeface, enclosed by brackets: e.g., *Enter a section number between* **[0501]**...	**WARNING: Important information**
Keypad keys and control panel labels appear in small caps, bold typeface: e.g., *Press* **0**, *and then* **ENTER** *to clear a zone's serial number...*	**NOTE:** Suggestion or reminder
Default Settings: Values which appear in bold typeface and/or are preceded by the symbol ▲, signify the default value: e.g., User code length: ☐ 6 digits ▲ 4 digits (*4 digits* is the default value)	

Installer Code

The default installer code is **000000**. This code allows you to enter programming mode, where you can program all features, options, and commands of your EVOHD control panel. To change the installer code, see *Installer Code Programming* on page 30.

System Master Code

The default system master code is **1234** or **123456**. This code allows you to use any arming method, as well as program user codes. This code can be either four or six digits long.

Panel Reset

Performing a panel reset will reset all panel settings to their preset, default values, or custom settings (if already programmed).
To perform a panel reset:
1.   Press and hold the panel's reset button until the status LED flashes fast (5 seconds).
2.   Release the reset button, and then push it once more, within two seconds, or refer to *Software Reset* on page 56.

Entering Programming Mode

To enter programming mode, proceed as follows:
1.   Press and hold the **0** key.
2.   Enter your installer code (default is **000000**). See *Installer Code* for details.
3.   Enter the four-digit section you wish to program.
4.   Enter the required data and record your settings using the worksheets included in this guide.

EN 50131 Compliancy

To have your EVOHD panel compliant with EN 50131 standards, see Appendix A.

Decimal and Hexadecimal Programming Table

Certain sections may require the entry of one or more hexadecimal values from 0 to F.

K641/K641+/K641R/K641LX Keypads

Table 1: Decimal and hexadecimal values using the K641,K641+, K641R, or K641LX keypads

Key	Value or Action
0 to **9**	0 to 9 (hex and decimal)
STAY	A (hex only)
FORCE	B (hex only)
ARM	C (hex only)
DISARM	D (hex only)
BYP	E (hex only)
MEM	F (hex only)
CLEAR	Exit section without saving (hex and decimal)
ENTER	Save current data and advance to next section (hex only)

K656 Keypad

Table 2: Decimal and hexadecimal values using the k656 keypad

Key	Value or Action
0 to **9**	0 to 9 (hex and decimal)
ARM	A (hex only)
SLEEP	B (hex only)
STAY	C (hex only)
OFF	D (hex only)
MENU	E (hex only)
⬜	F (hex only)
CLEAR	Exit section without saving (hex and decimal)
ENTER	Save current data and advance to next section (hex only)

Grafica Keypads

Table 3: Decimal and hexadecimal values using Grafica keypads

Key	Value or Action
0 to **9**	values 0 to 9 respectively
#	A to F (press the **#** key until the desired letter appears)
Right action key (Exit)	Exit section without saving
Central action key (Save)	Save current data and advance to next section

Table of Contents

List of Worksheets

Serial Number List

Worksheet 1: System Planning

Serial # Sticker	Serial # Sticker	Serial # Sticker	Serial # Sticker	Serial # Sticker	Serial # Sticker
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48
49	50	51	52	53	54
55	56	57	58	59	60
61	62	63	64	65	66
67	68	69	70	71	72
73	74	75	76	77	78
79	80	81	82	83	84
85	86	87	88	89	90

Worksheet 1: System Planning (Continued)

Serial # Sticker	Serial # Sticker	Serial # Sticker	Serial # Sticker	Serial # Sticker	Serial # Sticker
91	92	93	94	95	96
97	98	99	100	101	102
103	104	105	106	107	108
109	110	111	112	113	114
115	116	117	118	119	120
121	122	123	124	125	126
127	128	129	130	131	132
133	134	135	136	137	138
139	140	141	142	143	144
145	146	147	148	149	150
151	152	153	154	155	156
157	158	159	160	161	162
163	164	165	166	167	168
169	170	171	172	173	174
175	176	177	178	179	180
181	182	183	184	185	186

Worksheet 1: System Planning (Continued)

Serial # Sticker	Serial # Sticker	Serial # Sticker	Serial # Sticker	Serial # Sticker	Serial # Sticker
187	188	189	190	191	192
193	194	195	196	197	198
199	200	201	202	203	204
205	206	207	208	209	210
211	212	213	214	215	216
217	218	219	220	221	222
223	224	225	226	227	228
229	230	231	232	233	234
235	236	237	238	239	240
241	242	243	244	245	246
247	248	249	250	251	252
253	254				

Zone Programming

Use the following section to program all zones on your EVOHD control panel. **IMPORTANT**: To set EOL and ATZ options as well as Tamper Options for each zone, See "Appendix A" on page 73.

To program zones:
1. Enter section **[0400]**.
2. Enter the zone number you wish to program.

NOTE: In any zone programming option, pressing **acc** on the K641/K641+/K641R/K641LX, or 🔥 on the K656, will save the data and access the next zone on the same option screen. Pressing **trbl** on the K641/K641+/K641R/K641LX, or ⚠ on the K656, will save the data and return to the previous zone on the same option screen.

3. Enter the zone's eight-digit serial number, then it's three-digit input number (the input number is not needed for modules with only one input). Press **0**, and then ᴇɴᴛᴇʀ to clear a zone's serial number. Use worksheet 2 on page 12, to record the information.

NOTE: When programming a keypad zone for the K641/K641+/K641R, K656, K07C, or the TM50 keypads, enter the input number 001. For the K641LX, enter input number 033.

4. Enter the following zone parameters; default setting is *(01) (*2*4***)*:
   a. Zone definition, by referring to table 4.
   b. Partition, by referring to table 5.
   c. Zone option, by referring to table 6.
   d. Zone extended option (1*******), by referring to table 9.

```
001    Options
(1 * * * * * *)
```

5. Enter the zone's report codes, by referring to table 7; default: *(00) (00) (00) (00)*. Use worksheet 4 on page 17, to record the information.
6. Enter the zone's label. Use worksheet 4 on page 17, to record the information.
7. Press **enter** to save and proceed to the next zone.
8. Pressing **clear** twice will exit the zone programming menus. To save your modifications, make sure to press **enter** before pressing **clear**.

Table 4: Zone definitions for EVOHD

Input Value	*Description*
0	Disabled (default)
1	Entry delay 1
2	Entry delay 2
3	Follow
4	Instant
5	24 hr. buzzer
6	24 hr. burglary
7	24 hr. hold-up
8	24 hr. gas
9	24 hr. heat
A	24 hr. water
B	24 hr. freeze
C	Delayed 24 hr. fire
D	Standard 24 hr. fire
E	Stay delay 1
F	Stay delay 2/Anti-mask

Table 5: Partition assignment for EVOHD

Input Value	*Description*
1	Assign to partition 1
2	Assign to partition 2
3	Assign to partition 3
4	Assign to partition 4
5	Assign to partition 5
6	Assign to partition 6
7	Assign to partition 7
8	Assign to partition 8

Table 6: Zone options for EVOHD

Input Value(s)		Description
1		Auto zone shutdown enabled
2		Bypass enabled (default: ON)
3		Stay zone
4		Force zone (default: ON)
5 OFF	6 OFF	*(Zone Alarm)* Steady alarm
5 OFF	6 ON	*(Zone Alarm)* Pulsed alarm
5 ON	6 OFF	*(Zone Alarm)* Silent alarm
5 ON	6 ON	*(Zone Alarm)* Report only
7		Intellizone
8		Delay before transmission

.

Table 7: Zone report codes for EVOHD

Alarm Report Code	Alarm Restore Report Code	Tamper Report Code	Tamper Restore Report Code
___/___	___/___	___/___	___/___

For Ademco Slow, Silent Knight Fast, Sescoa, Ademco Express, or pager formats, key-in desired two-digit hex values from 00 to FF.

Ademco Format

Use section **[4032]** to program a set of default Ademco report codes from the *Automatic Report Code Programming* on page 57. Then to program the remaining report codes or to change some of the defaults, enter the individual sections and key-in the desired two-digit hex value found in the *Contact ID Report Code List* on page 60.

SIA Format

Use section **[4032]** to program a set of SIA report codes from the *Automatic Report Code Programming* on page 57. Codes that have not been set to default can be set to default manually by entering FF in the appropriate section. To disable the reporting of an event, enter **00** in the appropriate section.

Table 8: Section Numbers used for zone programming

Zone Number	Zone Serial & Input Numbers	Zone Parameters	Zone Report Codes	
1	**[0001]**	**[0101]**	**[0201]**	**[0301]**
2	**[0002]**	**[0102]**	**[0202]**	**[0302]**
	+ 1 per zone	+ 1 per zone	+ 1 per zone	+ 1 per zone
96	**[0096]**	**[0196]**	**[0296]**	**[0396]**

Table 9: Zone extended options

Option	Description				ON
1	Zone tamper (follow global settings in section **[3034]** option 5 & 6)	o	Disabled	▲	Enabled
2 & 3	Zone tamper supervision	-	See Table 10	-	See Table 10
4	Anti-mask trouble (follow global settings in section **[3029]** option 5 & 6)	□	Disabled	▲	Enabled
5 & 6	Anti-mask supervision	□ □	See Table 11	-	See Table 11
7	Future use	□	-	-	-
8	Future use	□	-	-	-

Table 10: Zone tamper options

Option		Description
2	3	
OFF	OFF	Disabled (default)
OFF	ON	Generates trouble only (when armed or disarmed)
ON	OFF	When armed: alarm When disarmed: generates trouble only
ON	ON	When armed: alarm When disarmed: generates audible alarm

Table 11: Anti-mask supervision options

Option		Description
5	6	
OFF	OFF	Disabled (default)
OFF	ON	Generates trouble only (when armed or disarmed)
ON	OFF	When armed: alarm When disarmed: generates trouble only
ON	ON	When armed: alarm When disarmed: generates audible alarm

Worksheet 2: Zone Information

Zone	Description	Module	Eight-digit Serial Number	Input Number	Zone Definition	Partition Assignment	Zone Options
1							1 2 3 4 5 6 7 8
2							1 2 3 4 5 6 7 8
3							1 2 3 4 5 6 7 8
4							1 2 3 4 5 6 7 8
5							1 2 3 4 5 6 7 8
6							1 2 3 4 5 6 7 8
7							1 2 3 4 5 6 7 8
8							1 2 3 4 5 6 7 8
9							1 2 3 4 5 6 7 8
10							1 2 3 4 5 6 7 8
11							1 2 3 4 5 6 7 8
12							1 2 3 4 5 6 7 8
13							1 2 3 4 5 6 7 8
14							1 2 3 4 5 6 7 8
15							1 2 3 4 5 6 7 8
16							1 2 3 4 5 6 7 8
17							1 2 3 4 5 6 7 8
18							1 2 3 4 5 6 7 8
19							1 2 3 4 5 6 7 8
20							1 2 3 4 5 6 7 8
21							1 2 3 4 5 6 7 8
22							1 2 3 4 5 6 7 8
23							1 2 3 4 5 6 7 8
24							1 2 3 4 5 6 7 8
25							1 2 3 4 5 6 7 8
26							1 2 3 4 5 6 7 8
27							1 2 3 4 5 6 7 8
28							1 2 3 4 5 6 7 8
29							1 2 3 4 5 6 7 8
30							1 2 3 4 5 6 7 8
31							1 2 3 4 5 6 7 8
32							1 2 3 4 5 6 7 8
33							1 2 3 4 5 6 7 8
34							1 2 3 4 5 6 7 8
35							1 2 3 4 5 6 7 8
36							1 2 3 4 5 6 7 8
37							1 2 3 4 5 6 7 8
38							1 2 3 4 5 6 7 8
39							1 2 3 4 5 6 7 8
40							1 2 3 4 5 6 7 8
41							1 2 3 4 5 6 7 8
42							1 2 3 4 5 6 7 8
43							1 2 3 4 5 6 7 8
44							1 2 3 4 5 6 7 8
45							1 2 3 4 5 6 7 8
46							1 2 3 4 5 6 7 8
47							1 2 3 4 5 6 7 8
48							1 2 3 4 5 6 7 8

Worksheet 2: Zone Information (Continued)

Zone	Description	Module	Eight-digit Serial Number	Input Number	Zone Definition	Partition Assignment	Zone Options
49			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
50			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
51			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
52			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
53			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
54			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
55			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
56			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
57			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
58			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
59			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
60			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
61			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
62			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
63			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
64			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
65			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
66			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
67			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
68			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
69			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
70			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
71			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
72			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
73			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
74			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
75			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
76			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
77			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
78			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
79			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
80			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
81			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
82			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
83			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
84			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
85			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
86			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
87			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
88			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
89			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
90			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
91			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
92			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
93			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
94			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
95			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8
96			__ __ __ __ __ __ __ __	__ / __			1 2 3 4 5 6 7 8

Worksheet 2: Zone Information (Continued)

Zone	Description	Module	Eight-digit Serial Number	Input Number	Zone Definition	Partition Assignment	Zone Options
97				/			1 2 3 4 5 6 7 8
98				/			1 2 3 4 5 6 7 8
99				/			1 2 3 4 5 6 7 8
100				/			1 2 3 4 5 6 7 8
101				/			1 2 3 4 5 6 7 8
102				/			1 2 3 4 5 6 7 8
103				/			1 2 3 4 5 6 7 8
104				/			1 2 3 4 5 6 7 8
105				/			1 2 3 4 5 6 7 8
106				/			1 2 3 4 5 6 7 8
107				/			1 2 3 4 5 6 7 8
108				/			1 2 3 4 5 6 7 8
109				/			1 2 3 4 5 6 7 8
110				/			1 2 3 4 5 6 7 8
111				/			1 2 3 4 5 6 7 8
112				/			1 2 3 4 5 6 7 8
113				/			1 2 3 4 5 6 7 8
114				/			1 2 3 4 5 6 7 8
115				/			1 2 3 4 5 6 7 8
116				/			1 2 3 4 5 6 7 8
117				/			1 2 3 4 5 6 7 8
118				/			1 2 3 4 5 6 7 8
119				/			1 2 3 4 5 6 7 8
120				/			1 2 3 4 5 6 7 8
121				/			1 2 3 4 5 6 7 8
122				/			1 2 3 4 5 6 7 8
123				/			1 2 3 4 5 6 7 8
124				/			1 2 3 4 5 6 7 8
125				/			1 2 3 4 5 6 7 8
126				/			1 2 3 4 5 6 7 8
127				/			1 2 3 4 5 6 7 8
128				/			1 2 3 4 5 6 7 8
129				/			1 2 3 4 5 6 7 8
130				/			1 2 3 4 5 6 7 8
131				/			1 2 3 4 5 6 7 8
132				/			1 2 3 4 5 6 7 8
133				/			1 2 3 4 5 6 7 8
134				/			1 2 3 4 5 6 7 8
135				/			1 2 3 4 5 6 7 8
136				/			1 2 3 4 5 6 7 8
137				/			1 2 3 4 5 6 7 8
138				/			1 2 3 4 5 6 7 8
139				/			1 2 3 4 5 6 7 8
140				/			1 2 3 4 5 6 7 8
141				/			1 2 3 4 5 6 7 8
142				/			1 2 3 4 5 6 7 8
143				/			1 2 3 4 5 6 7 8
144				/			1 2 3 4 5 6 7 8

Worksheet 2: Zone Information (Continued)

Zone	Description	Module	Eight-digit Serial Number	Input Number	Zone Definition	Partition Assignment	Zone Options							
							1	2	3	4	5	6	7	8
145			/ / / / / / / /	/			1	2	3	4	5	6	7	8
146			/ / / / / / / /	/			1	2	3	4	5	6	7	8
147			/ / / / / / / /	/			1	2	3	4	5	6	7	8
148			/ / / / / / / /	/			1	2	3	4	5	6	7	8
149			/ / / / / / / /	/			1	2	3	4	5	6	7	8
150			/ / / / / / / /	/			1	2	3	4	5	6	7	8
151			/ / / / / / / /	/			1	2	3	4	5	6	7	8
152			/ / / / / / / /	/			1	2	3	4	5	6	7	8
153			/ / / / / / / /	/			1	2	3	4	5	6	7	8
154			/ / / / / / / /	/			1	2	3	4	5	6	7	8
155			/ / / / / / / /	/			1	2	3	4	5	6	7	8
156			/ / / / / / / /	/			1	2	3	4	5	6	7	8
157			/ / / / / / / /	/			1	2	3	4	5	6	7	8
158			/ / / / / / / /	/			1	2	3	4	5	6	7	8
159			/ / / / / / / /	/			1	2	3	4	5	6	7	8
160			/ / / / / / / /	/			1	2	3	4	5	6	7	8
161			/ / / / / / / /	/			1	2	3	4	5	6	7	8
162			/ / / / / / / /	/			1	2	3	4	5	6	7	8
163			/ / / / / / / /	/			1	2	3	4	5	6	7	8
164			/ / / / / / / /	/			1	2	3	4	5	6	7	8
165			/ / / / / / / /	/			1	2	3	4	5	6	7	8
166			/ / / / / / / /	/			1	2	3	4	5	6	7	8
167			/ / / / / / / /	/			1	2	3	4	5	6	7	8
168			/ / / / / / / /	/			1	2	3	4	5	6	7	8
169			/ / / / / / / /	/			1	2	3	4	5	6	7	8
170			/ / / / / / / /	/			1	2	3	4	5	6	7	8
171			/ / / / / / / /	/			1	2	3	4	5	6	7	8
172			/ / / / / / / /	/			1	2	3	4	5	6	7	8
173			/ / / / / / / /	/			1	2	3	4	5	6	7	8
174			/ / / / / / / /	/			1	2	3	4	5	6	7	8
175			/ / / / / / / /	/			1	2	3	4	5	6	7	8
176			/ / / / / / / /	/			1	2	3	4	5	6	7	8
177			/ / / / / / / /	/			1	2	3	4	5	6	7	8
178			/ / / / / / / /	/			1	2	3	4	5	6	7	8
179			/ / / / / / / /	/			1	2	3	4	5	6	7	8
180			/ / / / / / / /	/			1	2	3	4	5	6	7	8
181			/ / / / / / / /	/			1	2	3	4	5	6	7	8
182			/ / / / / / / /	/			1	2	3	4	5	6	7	8
183			/ / / / / / / /	/			1	2	3	4	5	6	7	8
184			/ / / / / / / /	/			1	2	3	4	5	6	7	8
185			/ / / / / / / /	/			1	2	3	4	5	6	7	8
186			/ / / / / / / /	/			1	2	3	4	5	6	7	8
187			/ / / / / / / /	/			1	2	3	4	5	6	7	8
188			/ / / / / / / /	/			1	2	3	4	5	6	7	8
189			/ / / / / / / /	/			1	2	3	4	5	6	7	8
190			/ / / / / / / /	/			1	2	3	4	5	6	7	8
191			/ / / / / / / /	/			1	2	3	4	5	6	7	8
192			/ / / / / / / /	/			1	2	3	4	5	6	7	8

Worksheet 3: Zone Report Codes

Zone #	Alarm Report Codes	Alarm Restore Report Codes	Tamper Report Codes	Tamper Restore Report Codes	Zone #	Alarm Report Codes	Alarm Restore Report Codes	Tamper Report Codes	Tamper Restore Report Codes	Zone #	Alarm Report Codes	Alarm Restore Report Codes	Tamper Report Codes	Tamper Restore Report Codes
1					49					97				
2					50					98				
3					51					99				
4					52					100				
5					53					101				
6					54					102				
7					55					103				
8					56					104				
9					57					105				
10					58					106				
11					59					107				
12					60					108				
13					61					109				
14					62					110				
15					63					111				
16					64					112				
17					65					113				
18					66					114				
19					67					115				
20					68					116				
21					69					117				
22					70					118				
23					71					119				
24					72					120				
25					73					121				
26					74					122				
27					75					123				
28					76					124				
29					77					125				
30					78					126				
31					79					127				
32					80					128				
33					81					129				
34					82					130				
35					83					131				
36					84					132				
37					85					133				
38					86					134				
39					87					135				
40					88					136				
41					89					137				
42					90					138				
43					91					139				
44					92					140				
45					93					141				
46					94					142				
47					95					143				
48					96					144				

Zone #	Alarm Report Codes	Alarm Restore Report Codes	Tamper Report Codes	Tamper Restore Report Codes
145				
146				
147				
148				
149				
150				
151				
152				
153				
154				
155				
156				
157				
158				
159				
160				
161				
162				
163				
164				
165				
166				
167				
168				
169				
170				
171				
172				
173				
174				
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177				
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179				
180				
181				
182				
183				
184				
185				
186				
187				
188				
189				
190				
191				
192				

Worksheet 4: Zone Labels

Zone #	Zone Label	Zone #	Zone Label	Zone #	Zone Label	Zone #	Zone Label
1		49		97		145	
2		50		98		146	
3		51		99		147	
4		52		100		148	
5		53		101		149	
6		54		102		150	
7		55		103		151	
8		56		104		152	
9		57		105		153	
10		58		106		154	
11		59		107		155	
12		60		108		156	
13		61		109		157	
14		62		110		158	
15		63		111		159	
16		64		112		160	
17		65		113		161	
18		66		114		162	
19		67		115		163	
20		68		116		164	
21		69		117		165	
22		70		118		166	
23		71		119		167	
24		72		120		168	
25		73		121		169	
26		74		122		170	
27		75		123		171	
28		76		124		172	
29		77		125		173	
30		78		126		174	
31		79		127		175	
32		80		128		176	
33		81		129		177	
34		82		130		178	
35		83		131		179	
36		84		132		180	
37		85		133		181	
38		86		134		182	
39		87		135		183	
40		88		136		184	
41		89		137		185	
42		90		138		186	
43		91		139		187	
44		92		140		188	
45		93		141		189	
46		94		142		190	
47		95		143		191	
48		96		144		192	

Keyswitch Programming

Use the following section to program keyswitches on your EVOHD control panel. Keyswitch programming information is entered in worksheets 5 and 6 on page 19.

Keyswitch Numbering

This feature allows the installer to assign a keyswitch to an addressable or hardwired detection device. To assign keyswitch numbering, proceed as follows:
1.	Enter a section number between **[0501]** and **[0532]**. These sections represent keyswitches 1 to 32, respectively.
2.	In column *A*, of worksheet 5 on page 19, enter the eight-digit serial number of the module, to which the keyswitch is connected.
3.	In column *B,* of worksheet 5 on page 19, enter the three-digit input number of the module, to which the keyswitch is connected.

Keyswitch Parameters

This feature defines the keyswitch's partition assignment and arming method. To assign keyswitch parameters, proceed as follows:
1.	Enter a section number between **[0601]** and **[0632]**. These sections represent keyswitches 1 to 32, respectively.
2.	In column *C*, of worksheet 5 on page 19, enter the keyswitch definition (refer to table 8 for details). The default setting is set to *disabled*.
3.	In column *D*, of worksheet 5 on page 19, enter the desired partition to which the keyswitch is assigned (refer to table 9 for details). By default, keyswitches are not assigned to a partition.
4.	In column *E*, of worksheet 5 on page 19, enter the keyswitch option (refer to table 10 for details). By default, all settings are set to *OFF*.

Table 12: Keyswitch definitions

Input Value	Description
0	Disabled (default)
1	Momentary keyswitch
2	Maintained keyswitch
3	Generates a utility key event on *open**
4	Generates a utility key event on *open and close**
5	Panic input option**

* To use this keyswitch definition, one or more PGMs must be programmed with the *Utility Key* event (see *Event Group* 048 in table 17 on page 21).
** To use this keyswitch definition, refer to *Panic Input Option*.

Table 13: Keyswitch partition/panic type assignment

Input Value	Description
0	• Not assigned to a partition (default) • Panic type 1: police*
1	• Assign keyswitch to partition 1 • Panic type 2: medical*
2	• Assign keyswitch to partition 2 • Panic type 3: fire*
3	Assign keyswitch to partition 3
4	Assign keyswitch to partition 4
5	Assign keyswitch to partition 5
6	Assign keyswitch to partition 6
7	Assign keyswitch to partition 7
8	Assign keyswitch to partition 8

* Only applicable for keyswitch definition *5 (panic input option* in table 12). Refer to *Panic Input Option* for details.

Table 14: Keyswitch options/partition assignment

Input Value	Description
1	Assign keyswitch to partition 1*
2	Assign keyswitch to partition 2*
3	• Disarm only • Assign keyswitch to partition 3*
4	• OFF: disarm; ON: disarm only if Stay/Instant armed • Assign keyswitch to partition 4*
5	• Arm only • Assign keyswitch to partition 5*
6	• Stay arming** • Assign keyswitch to partition 6*
7	• Force arming** • Assign keyswitch to partition 7*
8	• Instant arming** • Assign keyswitch to partition 8*

* Only applicable for keyswitch definition *5 (panic input option* in table 8). Refer to *Panic Input Option* for details.

** Select only one of these arming types. If all are OFF, keyswitch will use regular arming by default.

Keyswitch Arming/Disarming Report Codes

For Ademco Slow, Silent Knight Fast, Sescoa, Ademco Express, or pager formats, key-in desired two-digit hex values from 00 to FF. Use worksheet 6 on page 19 to record settings.

Ademco Contact ID

• Use section **[4033]** to program a set of default Ademco report codes, using table 49 (*List of automatic report codes),* on page 57.
• To program the remaining report codes or change certain defaults, access the individual sections and key-in the desired two-digit hex value, found in table 50 (*List of Ademco contact ID report codes),* on page 60.

SIA Format

• Use section **[4033]** to program a set of SIA report codes, using table 49 (*List of automatic report codes),* on page 57.
• Codes that have not been set to *default* can be set as such manually, by entering FF in the appropriate section.
• To disable the reporting of an event, enter **00** in the appropriate section.

Panic Input Option

To use the panic input option when programming keyswitch parameters in sections **[0601]** to **[0632]**, proceed as follows:
1.	Enable partition panic alarm options, by referring to table 39 on page 51.
2.	Enter **5** to access the panic input option (see table 8).
3.	Enter **0**, **1**, or **2** to assign the type of panic. As shown in table 9, *0* = police; *1*= medical; *2* = fire.
4.	Enter **1** to **8** to assign the keyswitch to partitions 1 through 8, respectively (see table 10).

Worksheet 5: Keyswitch Numbering and Parameters

Keyswitch #	Description	Module	Section	A Eight-digit Serial Number	B Input Number	Section	C Keyswitch Definition	D Keyswitch Partition	E Keyswitch Options
1			[0501]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0601]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
2			[0502]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0602]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
3			[0503]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0603]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
4			[0504]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0604]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
5			[0505]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0605]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
6			[0506]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0606]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
7			[0507]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0607]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
8			[0508]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0608]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
9			[0509]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0609]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
10			[0510]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0610]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
11			[0511]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0611]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
12			[0512]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0612]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
13			[0513]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0613]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
14			[0514]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0614]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
15			[0515]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0615]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
16			[0516]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0616]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
17			[0517]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0617]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
18			[0518]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0618]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
19			[0519]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0619]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
20			[0520]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0620]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
21			[0521]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0621]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
22			[0522]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0622]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
23			[0523]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0623]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
24			[0524]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0624]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
25			[0525]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0625]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
26			[0526]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0626]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
27			[0527]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0627]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
28			[0528]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0628]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
29			[0529]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0629]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
30			[0530]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0630]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
31			[0531]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0631]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8
32			[0532]	_ _ / _ _ / _ _ / _ _	_ _ / _ _	[0632]	_ _ / _ _	_ _	1 2 3 4 5 6 7 8

Worksheet 6: Arming and Disarming with Keyswitch Report Codes

Section	Keyswitch #	Arming	Section	Keyswitch #	Arming	Section	Keyswitch #	Disarming	Section	Keyswitch #	Disarming
[0701]	1	_ _ / _ _	[0715]	15	_ _ / _ _	[0801]	1	_ _ / _ _	[0815]	15	_ _ / _ _
[0702]	2	_ _ / _ _	[0716]	16	_ _ / _ _	[0802]	2	_ _ / _ _	[0816]	16	_ _ / _ _
[0703]	3	_ _ / _ _	[0717]	17	_ _ / _ _	[0803]	3	_ _ / _ _	[0817]	17	_ _ / _ _
[0704]	4	_ _ / _ _	[0718]	18	_ _ / _ _	[0804]	4	_ _ / _ _	[0818]	18	_ _ / _ _
[0705]	5	_ _ / _ _	[0719]	19	_ _ / _ _	[0805]	5	_ _ / _ _	[0819]	19	_ _ / _ _
[0706]	6	_ _ / _ _	[0720]	20	_ _ / _ _	[0806]	6	_ _ / _ _	[0820]	20	_ _ / _ _
[0707]	7	_ _ / _ _	[0721]	21	_ _ / _ _	[0807]	7	_ _ / _ _	[0821]	21	_ _ / _ _
[0708]	8	_ _ / _ _	[0722]	22	_ _ / _ _	[0808]	8	_ _ / _ _	[0822]	22	_ _ / _ _
[0709]	9	_ _ / _ _	[0723]	23	_ _ / _ _	[0809]	9	_ _ / _ _	[0823]	23	_ _ / _ _
[0710]	10	_ _ / _ _	[0724]	24	_ _ / _ _	[0810]	10	_ _ / _ _	[0824]	24	_ _ / _ _
[0711]	11	_ _ / _ _	[0725]	25	_ _ / _ _	[0811]	11	_ _ / _ _	[0825]	25	_ _ / _ _
[0712]	12	_ _ / _ _	[0726]	26	_ _ / _ _	[0812]	12	_ _ / _ _	[0826]	26	_ _ / _ _
[0713]	13	_ _ / _ _	[0727]	27	_ _ / _ _	[0813]	13	_ _ / _ _	[0827]	27	_ _ / _ _
[0714]	14	_ _ / _ _	[0728]	28	_ _ / _ _	[0814]	14	_ _ / _ _	[0828]	28	_ _ / _ _
			[0729]	29	_ _ / _ _				[0829]	29	_ _ / _ _
			[0730]	30	_ _ / _ _				[0830]	30	_ _ / _ _
			[0731]	31	_ _ / _ _				[0831]	31	_ _ / _ _
			[0732]	32	_ _ / _ _				[0832]	32	_ _ / _ _

Programmable Outputs

Use the following section to program various programmable outputs (PGMs) on your EVOHD control panel.

PGM Test Mode

Table 15: Test PGMs and their section numbers

Section	Action	Description
[0901]	Test PGM 1	Activates PGM 1 for eight seconds to verify if the PGM is functioning properly
[0902]	Test PGM 2	Activates PGM 2 for eight seconds to verify if the PGM is functioning properly
[0903]	Test PGM 3	Activates PGM 3 for eight seconds to verify if the PGM is functioning properly
[0904]	Test PGM 4	Activates PGM 4 for eight seconds to verify if the PGM is functioning properly
[0905]	Test PGM 5	Activates PGM 5 for eight seconds to verify if the PGM is functioning properly

PGM Delays

To record values in worksheet 7, use the PGM Delay descriptions, as well as the information appearing in table 16 *(Description of PGM options)*.

WARNING: Considering that section numbers follow a numerical sequence, PGM activation and deactivation events for a respective PGM are skipped when using the keypad's programming sequence. For instance, sections [0918] and [0919] correspond to PGM 1 and one follows the other in the programming sequence; however, the following section in the sequence ([0920], corresponds to PGM 2. Make sure to enter sections [0910] through [0917] (see table 17) to complete activation/deactivation programming for PGM 1.

Worksheet 7: PGM Delays

Section	PGM Delay Value	Range	Description	Default Setting
[0918]	___/___/___	(001 to 255 x 1 sec./min.)	PGM 1 delay (refer to section **[0919]**, option 2, to see whether the delay is in sec. or min.)	5 sec./min.
[0928]	___/___/___	(001 to 255 x 1 sec./min.)	PGM 2 delay (refer to section **[0929]**, option 2, to see whether the delay is in sec. or min.)	5 sec./min.
[0938]	___/___/___	(001 to 255 x 1 sec./min.)	PGM 3 delay (refer to section **[0939]**, option 2, to see whether the delay is in sec. or min.)	5 sec./min.
[0948]	___/___/___	(001 to 255 x 1 sec./min.)	PGM 4 delay (refer to section **[0949]**, option 2, to see whether the delay is in sec. or min.)	5 sec./min.
[0958]	___/___/___	(001 to 255 x 1 sec./min.)	PGM 5 delay (refer to section **[0959]**, option 2, to see whether the delay is in sec. or min.)	5 sec./min.

PGM Options

Table 16: Description of PGM options

Option	Description	PGM 1 [0919] OFF	PGM 1 [0919] ON	PGM 2[0929] OFF	PGM 2[0929] ON	PGM 3 [0939] OFF	PGM 3 [0939] ON	PGM 4 [0949] OFF	PGM 4 [0949] ON	PGM 5 [0959] OFF	PGM 5 [0959] ON
1	PGM deactivation after (OFF = deactivation event; ON = PGM timer)	▲	□	▲	□	▲	□	▲	□	▲	□
2	PGM base time (OFF = seconds; ON = minutes)	▲	□	▲	□	▲	□	▲	□	▲	□
3	Flexible PGM deactivation option (OFF = PGM timer only; ON = PGM timer and/or deactivation event)	▲	□	▲	□	▲	□	▲	□	▲	□
4	PGM initial state (OFF = normally open; ON = normally closed)	▲	□	▲	□	▲	□	▲	□	▲	□
5 to 8	Future use	-	-	-	-	-	-	-	-	-	-

OFF = Disabled; ON = Enabled; ▲ = Default Setting

WARNING: To use the *flexible PGM Deactivation* option (option 3), the *PGM deactivation after* option (option 1) must be ON (see table 16).

PGM Programming

Use table 17 (*List of event and feature groups),* on page 21 to enter data in worksheet 8. Columns A through D in worksheet 8, correspond to their respective columns in table 17.

Worksheet 8: PGM Programming

	Section	PGM	A Event Group	Section	PGM	B Feature Group	Section	PGM	C Start #	Section	PGM	D End #
PGM Activation	**[0910]**	PGM 1	___/___/___	**[0911]**	PGM 1	___/___/___	**[0912]**	PGM 1	___/___/___	**[0913]**	PGM 1	___/___/___
	[0920]	PGM 2	___/___/___	**[0921]**	PGM 2	___/___/___	**[0922]**	PGM 2	___/___/___	**[0923]**	PGM 2	___/___/___
	[0930]	PGM 3	___/___/___	**[0931]**	PGM 3	___/___/___	**[0932]**	PGM 3	___/___/___	**[0933]**	PGM 3	___/___/___
	[0940]	PGM 4	___/___/___	**[0941]**	PGM 4	___/___/___	**[0942]**	PGM 4	___/___/___	**[0943]**	PGM 4	___/___/___
	[0950]	PGM 5	___/___/___	**[0951]**	PGM 5	___/___/___	**[0952]**	PGM 5	___/___/___	**[0953]**	PGM 5	___/___/___
PGM Deactivation	**[0914]**	PGM 1	___/___/___	**[0915]**	PGM 1	___/___/___	**[0916]**	PGM 1	___/___/___	**[0917]**	PGM 1	___/___/___
	[0924]	PGM 2	___/___/___	**[0925]**	PGM 2	___/___/___	**[0926]**	PGM 2	___/___/___	**[0927]**	PGM 2	___/___/___
	[0934]	PGM 3	___/___/___	**[0935]**	PGM 3	___/___/___	**[0936]**	PGM 3	___/___/___	**[0937]**	PGM 3	___/___/___
	[0944]	PGM 4	___/___/___	**[0945]**	PGM 4	___/___/___	**[0946]**	PGM 4	___/___/___	**[0947]**	PGM 4	___/___/___
	[0954]	PGM 5	___/___/___	**[0955]**	PGM 5	___/___/___	**[0956]**	PGM 5	___/___/___	**[0957]**	PGM 5	___/___/___

Event and Feature Groups

Notes for Table 17

000 = Occurs in all partitions enabled in the system (see section [3031], in table 21 on page 39)	001 = Partition 1	002 = Partition 2	003 = Partition 3	004 = Partition 4
255 = Occurs in at least one partition enabled in the system	005 = Partition 5	006 = Partition 6	007 = Partition 7	008 = Partition 8

Table 17: List of event and feature groups

A Event Group	Event	B Feature Group	Feature	C Start #	D End #
000	Zone is OK	000 255 = any zone #	Zone numbers	001 to 192	001 to 192
001	Zone is open			001 to 192	001 to 192
002	Zone is tampered			001 to 192	001 to 192
003	Zone is in fire loop trouble			001 to 192	001 to 192
004	Non-reportable event	000	TLM trouble	000	000
004	Non-reportable event	000	Smoke detector reset	001	001
			Arm with no entry delay	002	002
			Arm in Stay mode	003	003
			Arm in Away mode	004	004
			Full arm when in Stay mode	005	005
			Voice module access	006	006
			Remote control access	007	007
			PC fail to communicate	008	008
			Midnight	009	009
			Neware user login	010	010
			Neware user logout	011	011
			User initiated call-up	012	012
			Force answer	013	013
			Force hangup	014	014
			Future use	015	015
			Auxiliary output manually activated	016	016
			Auxiliary output manually deactivated	017	017
			Voice reporting failed	018	018
			FTC restore	019	019
			Software access (VDMP3, IP150, NEware, BabyWare)	020	020
			IPR512 1 Registration Status	021	021
			IPR512 2 registration status	022	022
			IPR512 3 registration status	023	023
			IPR512 4 registration status	024	024
			Armed with trouble(s)	034	034
			Installer access authorization started	035	035
			Installer access authorization ended	036	036
		255	Any non-reportable event	Not Used	Not Used
005	User code entered on keypad	000	User codes 000 to 255	000 to 255	000 to 255
		001	User codes 256 to 511	000 to 255	000 to 255
		002	User codes 512 to 767	000 to 255	000 to 255
		003	User codes 768 to 999	000 to 231	000 to 231
		255	Any user code	Not Used	Not Used
006	User/card access on door	000	Door numbers	001 to 032	001 to 032
		255	Any door number	Not Used	Not Used

Table 17: List of event and feature groups (Continued)

A Event Group	Event	B Feature Group	Feature	C Start #	D End #
007	Bypass programming access	000	One-touch bypass programming	000	000
		000	User codes 001 to 255	001 to 255	001 to 255
		001	User codes 256 to 511	000 to 255	000 to 255
		002	User codes 512 to 767	000 to 255	000 to 255
		003	User codes 768 to 999	000 to 231	000 to 231
		255	Any user code	Not Used	Not Used
008	TX delay zone alarm	000	Zone numbers	001 to 192	001 to 192
		255	Any zone number	Not Used	Not Used
009	Arming with master	000	User codes 001 to 255	001 to 255	001 to 255
		001	User codes 256 to 511	000 to 255	000 to 255
		002	User codes 512 to 767	000 to 255	000 to 255
		003	User codes 768 to 999	000 to 231	000 to 231
		255	Any user code	Not Used	Not Used
010	Arming with user code	000	User codes 001 to 255	001 to 255	001 to 255
		001	User codes 256 to 511	000 to 255	000 to 255
		002	User codes 512 to 767	000 to 255	000 to 255
		003	User codes 768 to 999	000 to 231	000 to 231
		255	Any user code	Not Used	Not Used
011	Arming with keyswitch	000	Keyswitch numbers	001 to 032	001 to 032
		255	Any keyswitch	Not Used	Not Used
012	Special arming	000	Auto arming	000	000
			Arming with BabyWare	001	001
			Late to close	002	002
			No movement arming	003	003
			Partial arming	004	004
			One-touch arming	005	005
			Future use	006	006
			Future use	007	007
			(InTouch) voice module arming	008	008
			Delinquency closing	009	009
		255	Any special arming event	Not Used	Not Used
013	Disarm with master	000	User codes 001 to 255	001 to 255	001 to 255
		001	User codes 256 to 511	000 to 255	000 to 255
		002	User codes 512 to 767	000 to 255	000 to 255
		003	User codes 768 to 999	000 to 231	000 to 231
		255	Any user code	Not Used	Not Used
014	Disarm with user code	000	User codes 001 to 255	001 to 255	001 to 255
		001	User codes 256 to 511	000 to 255	000 to 255
		002	User codes 512 to 767	000 to 255	000 to 255
		003	User codes 768 to 999	000 to 231	000 to 231
		255	Any user code	Not Used	Not Used
015	Disarm with keyswitch	000	Keyswitch numbers	001 to 032	001 to 032
		255	Any keyswitch	Not Used	Not Used
016	Disarm after alarm with master	000	User codes 001 to 255	001 to 255	001 to 255
		001	User codes 256 to 511	000 to 255	000 to 255
		002	User codes 512 to 767	000 to 255	000 to 255
		003	User codes 768 to 999	000 to 231	000 to 231
		255	Any user code	Not Used	Not Used

Table 17: List of event and feature groups (Continued)

A Event Group	Event	B Feature Group	Feature	C Start #	D End #
017	Disarm after alarm with user code	000	User codes 001 to 255	001 to 255	001 to 255
		001	User codes 256 to 511	000 to 255	000 to 255
		002	User codes 512 to 767	000 to 255	000 to 255
		003	User codes 768 to 999	000 to 231	000 to 231
		255	Any user code	Not Used	Not Used
018	Disarm after alarm with keyswitch	000	Keyswitch numbers	001 to 032	001 to 032
		255	Any keyswitch	Not Used	Not Used
019	Alarm cancelled with master	000	User codes 001 to 255	001 to 255	001 to 255
		001	User codes 256 to 511	000 to 255	000 to 255
		002	User codes 512 to 767	000 to 255	000 to 255
		003	User codes 768 to 999	000 to 231	000 to 231
		255	Any user code	Not Used	Not Used
020	Alarm cancelled with user code	000	User codes 001 to 255	001 to 255	001 to 255
		001	User codes 256 to 511	000 to 255	000 to 255
		002	User codes 512 to 767	000 to 255	000 to 255
		003	User codes 768 to 999	000 to 231	000 to 231
		255	Any user code	Not Used	Not Used
021	Alarm cancelled with keyswitch	000	Keyswitch numbers	001 to 032	001 to 032
		255	Any keyswitch	Not Used	Not Used
022	Special disarming	000	Auto arm cancelled	000	000
			One-touch Stay/Instant disarm	001	001
			Disarming with BabyWare	002	002
			Disarming with BabyWare after alarm	003	003
			BabyWare cancelled alarm	004	004
			Future use	005	005
			Future use	006	006
			Future use	007	007
			(InTouch) voice module disarming	008	008
		255	Any special disarming event	Not Used	Not Used
023	Zone bypassed	000 255 = any zone #	Zone numbers	001 to 192	001 to 192
024	Zone in alarm			001 to 192	001 to 192
025	Fire alarm			001 to 192	001 to 192
026	Zone alarm restore			001 to 192	001 to 192
027	Fire alarm restore			001 to 192	001 to 192
028	Early to disarm by user	000	User codes 001 to 255	001 to 255	001 to 255
		001	User codes 256 to 511	000 to 255	000 to 255
		002	User codes 512 to 767	000 to 255	000 to 255
		003	User codes 768 to 999	000 to 231	000 to 231
		255	Any user code	Not Used	Not Used

Table 17: List of event and feature groups (Continued)

A Event Group	Event	B Feature Group	Feature	C Start #	D End #
029	Late to disarm by user	000	User codes 001 to 255	001 to 255	001 to 255
		001	User codes 256 to 511	000 to 255	000 to 255
		002	User codes 512 to 767	000 to 255	000 to 255
		003	User codes 768 to 999	000 to 231	000 to 231
		255	Any user code	Not Used	Not Used
030	Special alarm	000	Emergency panic (Keys **1** & **3**)	000	000
			Medical panic (Keys **4** & **6**)	001	001
			Fire panic (Keys **7** & **9**)	002	002
			Recent closing	003	003
			Police code	004	004
			Zone shutdown	005	005
			Future use	006	006
			Future use	007	007
			TLM alarm	008	008
			Central communication failure alarm	009	009
			Module tamper alarm	010	010
			Missing GSM module alarm	011	011
		000 (cont.)	GSM no service alarm	012	012
			Missing IP module alarm	013	013
			IP no service alarm	014	014
			Missing voice module alarm	015	015
		255	Any special alarm event	Not Used	Not Used
031	Duress alarm by user	000	User codes 001 to 255	001 to 255	001 to 255
		001	User codes 256 to 511	000 to 255	000 to 255
		002	User codes 512 to 767	000 to 255	000 to 255
		003	User codes 768 to 999	000 to 231	000 to 231
		255	Any user code	Not Used	Not Used
032	Zone shutdown	000 255 = any zone #	Zone numbers	001 to 192	001 to 192
033	Zone tamper			001 to 192	001 to 192
034	Zone tamper restore			001 to 192	001 to 192
035	Special tamper	000	Keypad lockout	000	000
			Voice lockout	001	001
036	Trouble event	000	Future use	000	000
			AC failure	001	001
			Battery failure	002	002
			Auxiliary current limit	003	003
			Bell current limit	004	004
			Bell absent	005	005
			Clock trouble	006	006
			Global fire loop	007	007
			Panel tamper	008	008
		255	Any trouble event	Not Used	Not Used

Table 17: List of event and feature groups (Continued)

A Event Group	Event	B Feature Group	Feature	C Start #	D End #
037	Trouble restore	000	TLM trouble	000	000
			AC failure	001	001
			Battery failure	002	002
			Auxiliary current limit	003	003
			Bell current limit	004	004
			Bell absent	005	005
			Clock trouble	006	006
			Global fire loop	007	007
			Panel tamper	008	008
		255	Any trouble restore event	Not Used	Not Used
038	Module trouble	000	Combus fault	000	000
			Module tamper	001	001
			ROM/RAM error	002	002
			TLM trouble	003	003
			Fail to communicate	004	004
			Printer fault	005	005
			AC failure	006	006
			Battery failure	007	007
			Auxiliary failure	008	008
			IP Receiver supervision	009	009
			IP Receiver Fail to communicate	010	010
			IP Receiver Unregistered	011	011
			Direct light	012	012
			RF Interference	013	013
			Low bus voltage	014	014
			Self-test failure	015	015
			LAN Failure	016	016
			WAN Failure	017	017
		001	Missing PCS module	000	000
			PCS Tamper	001	001
			GSM RF jam	002	002
			GSM no service	003	003
			Fail to communicate IPR512 1	004	004
			Fail to communicate IPR512 2	005	005
			Fail to communicate IPR512 3	006	006
			Fail to communicate IPR512 4	007	007
			Missing voice module	032	032
		002	Missing IP module	000	000
			IP no service	001	001
			Fail to communicate IPR512 1	002	002
			Fail to communicate IPR512 2	003	003
			Fail to communicate IPR512 3	004	004
			Fail to communicate IPR512 4	005	005
		255	Any module trouble event	Not Used	Not Used

Table 17: List of event and feature groups (Continued)

A Event Group	Event	B Feature Group	Feature	C Start #	D End #
039	Module trouble restore	000	Combus fault	000	000
			Module tamper	001	001
			ROM/RAM error	002	002
			TLM trouble	003	003
			Fail to communicate	004	004
			Printer fault	005	005
			AC failure	006	006
			Battery failure	007	007
			Auxiliary failure	008	008
			IP Receiver supervision	009	009
			IP Receiver Fail to communicate	010	010
			IP Receiver Unregistered	011	011
			Direct light	012	012
			RF Interference	013	013
			Low bus voltage	014	014
			Self-test failure	015	015
			LAN Failure	016	016
			WAN Failure	017	017
		001	Missing PCS module	000	000
			PCS Tamper	001	001
			GSM RF jam supervision	002	002
			GSM no service	003	003
			Fail to communicate IPR512 1	004	004
			Fail to communicate IPR512 2	005	005
			Fail to communicate IPR512 3	006	006
			Fail to communicate IPR512 4	007	007
			Missing voice module	032	032
		002	Missing IP module	000	000
			IP no service	001	001
			Fail to communicate IPR512 1	002	002
			Fail to communicate IPR512 2	003	003
			Fail to communicate IPR512 3	004	004
			Fail to communicate IPR512 4	005	005
		255	Any module trouble restore event	Not Used	Not Used
040	Fail to communicate on telephone number	000	Telephone number	001 to 004	001 to 004
		255	Any telephone number	Not Used	Not Used
041	Low battery on zone	000 255 = any zone #	Zone numbers	001 to 192	001 to 192
042	Zone supervision trouble			001 to 192	001 to 192
043	Low battery on zone restored			001 to 192	001 to 192
044	Zone supervision trouble restored			001 to 192	001 to 192

Table 17: List of event and feature groups (Continued)

A Event Group	Event	B Feature Group	Feature	C Start #	D End #
045	Special events	000	Power-up after total power down	000	000
			Software reset (watchdog)	001	001
			Test report	002	002
			Listen-in request	003	003
			BabyWare In (connected)	004	004
			BabyWare Out (disconnected)	005	005
			Installer In programming	006	006
			Installer Out of programming	007	007
			Failed to arm	008	008
		255	Any special event	Not Used	Not Used
046	Early to arm by user	000	User codes 001 to 255	001 to 255	001 to 255
		001	User codes 256 to 511	000 to 255	000 to 255
		002	User codes 512 to 767	000 to 255	000 to 255
		003	User codes 768 to 999	000 to 231	000 to 231
		255	Any user code	Not Used	Not Used
047	Late to arm by user	000	User codes 001 to 255	001 to 255	001 to 255
		001	User codes 256 to 511	000 to 255	000 to 255
		002	User codes 512 to 767	000 to 255	000 to 255
		003	User codes 768 to 999	000 to 231	000 to 231
		255	Any user code	Not Used	Not Used
048	Utility key	000	Utility key 001 to 064*†	001 to 064	001 to 064
		255	Any utility key*†	Not Used	Not Used
049	Request for exit	000 255 = any door number	Door numbers	001 to 032	001 to 032
050	Access denied			001 to 032	001 to 032
051	Door left open alarm			001 to 032	001 to 032
052	Door forced alarm			001 to 032	001 to 032
053	Door left open restore			001 to 032	001 to 032
054	Door forced open restore			001 to 032	001 to 032
055	Intellizone triggered	000	Zone numbers	001 to 192	001 to 192
		255	Any zone number	Not Used	Not Used
056	Zone excluded on Force arming	000 255 = any zone	Zone numbers	001 to 192	001 to 192
057	Zone went back to arm status		Zone numbers	001 to 192	001 to 192
058	New module assigned on combus	000 255 = any module	Module address	001 to 254	001 to 254
059	Module manually removed from combus		Module address	001 to 254	001 to 254
060	Non-saved event	000	Remote control rejected	000	000
061	Future use	Future use	Future use	Future Use	Future Use
062	Access granted to user	000	User codes 001 to 255	001 to 255	001 to 255
		001	User codes 256 to 511	000 to 255	000 to 255
		002	User codes 512 to 767	000 to 255	000 to 255
		003	User codes 768 to 999	000 to 231	000 to 231
		255	Any user code	Not Used	Not Used
063	Access denied to user	000	Unregistered access code	000	000
		000	User codes 001 to 255	001 to 255	001 to 255
		001	User codes 256 to 511	000 to 255	000 to 255
		002	User codes 512 to 767	000 to 255	000 to 255
		003	User codes 768 to 999	000 to 231	000 to 231
		255	Any user code	Not Used	Not Used

Table 17: List of event and feature groups (Continued)

A Event Group	Event	B Feature Group	Feature	C Start #	D End #
064	Status 1	See *Notes for Table 17* on page 21	Armed	000	000
			Force armed	001	001
			Stay armed	002	002
			Instant armed	003	003
			Strobe alarm	004	004
			Silent alarm	005	005
			Audible alarm	006	006
			Fire alarm	007	007
065	Status 2	See *Notes for Table 17* on page 21	Ready	000	000
			Exit delay	001	001
			Entry delay	002	002
			System in trouble	003	003
			Alarm in memory	004	004
			Zones bypassed	005	005
			Bypass, master, installer programming	006	006
			Keypad lockout	007	007
066	Status 3	See *Notes for Table 17* on page 21	Intellizone delay engaged**	000	000
			Fire delay engaged	001	001
			Auto arm	002	002
			Arming with voice module (set until exit delay finishes)	003	003
			Tamper	004	004
			Zone low battery	005	005
			Fire loop trouble	006	006
			Zone supervision trouble	007	007
067**	Special status	-	Chime in partition 1 to 4 (000 to 003 = system 1 to 4)	000 to 003	000 to 003
			Smoke detector power reset	004	004
			Ground start	005	005
			Kiss off	006	006
			Telephone ring	007	007
			Bell on partition 1 to 8 (008 to 015 = partitions 1 to 8)	008 to 015	008 to 015
			Pulsed alarm in partition 1 to 8 (016 to 023 = partitions 1 to 8)	016 to 023	016 to 023
			Open/close Kiss off in partition 1 to 8 (024 to 031 = partitions 1 to 8)	024 to 031	024 to 031
			Keyswitch/PGM inputs # 01 to 32 (032 to 063 = Keyswitch/PGM inputs # 01 to 32)	032 to 063	032 to 063
			Status of access door 01 to 32 (064 to 095 = access doors 01 to 32)	064 to 095	064 to 095
			Trouble in system	096	096
			Trouble in dialer	097	097
			Trouble in module	098	098
			Trouble in combus	099	099
			Future use	100 to 102	100 to 102
			Time and date trouble	103	103
			AC failure	104	104
			Battery failure	105	105

Table 17: List of event and feature groups (Continued)

A Event Group	Event	B Feature Group	Feature	C Start #	D End #
067** (cont.)	Special status (cont.)	-	Auxiliary current limit	106	106
			Bell current limit	107	107
			Bell absent	108	108
			ROM error	109	109
			RAM error	110	110
			Future use	111	111
			TLM 1 trouble	112	112
			Fail to communicate 1	113	113
			Fail to communicate 2	114	114
			Fail to communicate 3	115	115
			Fail to communicate 4	116	116
			Fail to communicate with PC	117	117
			Future use	118	118
			Future use	119	119
			Module tamper trouble	120	120
			Module ROM error	121	121
			Module TLM error	122	122
			Module Failure to communicate	123	123
			Module printer trouble	124	124
			Module AC failure	125	125
			Module battery trouble	126	126
			Module auxiliary failure	127	127
			Missing keypad	128	128
			Missing module	129	129
			Future use	130 to 132	130 to 132
			Global combus failure	133	133
			Combus overload	134	134
			Future use	135	135
			Dialer relay	136	136
070	Clock	-	-	Hour	Minutes

* If a keyswitch input is used, the input must be defined as *Generates a Utility Key Event on Open* or *Generates a Utility Key Event on Open and Close.* If a remote control is used, the remote control button must be defined as a utility key button.

** These events or event groups cannot be used for a module's PGM programming.

† Actions that activate a utility key event.

Utility Keys

Table 18: Description of utility keys

Utility Key Event	Keypad Utility Keys	Keyswitch Inputs (definition = [3])	Keyswitch Inputs (definition = [4])	Remote Control
1	**1** & **2**	Keyswitch input 1 opens	Keyswitch input 1 opens	Utility key 1 remote control button
2	**4** & **5**	Keyswitch input 2 opens	Keyswitch input 1 closes	Utility key 2 remote control button
3	**7** & **8**	Keyswitch input 3 opens	Keyswitch input 2 opens	Utility key 3 remote control button
4	**CLEAR** & **0** or ***** & **0**	Keyswitch input 4 opens	Keyswitch input 2 closes	Utility key 4 remote control button
5	**2** & **3**	Keyswitch input 5 opens	Keyswitch input 3 opens	Utility key 5 remote control button
6	**5** & **6**	Keyswitch input 6 opens	Keyswitch input 3 closes	-
7	**8** & **9**	Keyswitch input 7 opens	Keyswitch input 4 opens	-
8	**0** & **ENTER** or **0** & **#**	Keyswitch input 8 opens	Keyswitch input 4 closes	-
9	-	Keyswitch input 9 opens	Keyswitch input 5 opens	-
10	-	Keyswitch input 10 opens	Keyswitch input 5 closes	-
11	-	Keyswitch input 11 opens	Keyswitch input 6 opens	-
12	-	Keyswitch input 12 opens	Keyswitch input 6 closes	-
13	-	Keyswitch input 13 opens	Keyswitch input 7 opens	-
14	-	Keyswitch input 14 opens	Keyswitch input 7 closes	-
15	-	Keyswitch input 15 opens	Keyswitch input 8 opens	-
16	-	Keyswitch input 16 opens	Keyswitch input 8 closes	-
17	-	Keyswitch input 17 opens	Keyswitch input 9 opens	-
18	-	Keyswitch input 18 opens	Keyswitch input 9 closes	-
↓	-	↓	↓	-
31	-	Keyswitch input 31 opens	Keyswitch input 16 opens	-
32	-	Keyswitch input 32 opens	Keyswitch input 16 closes	-
33	-	-	Keyswitch input 17 opens	-
34	-	-	Keyswitch input 17 closes	-
↓	-	-	↓	-
63	-	-	Keyswitch input 32 opens	-
64	-	-	Keyswitch input 32 closes	-

NOTE: Refer to the *RTX3 Reference and Installation Manual* for instructions on how to program remote control buttons.

Input Speeds

Worksheet 9: Input Speeds

Section	Data: Decimal Value (001 to 255 x 30 msec.)	Description (Default Setting: 600 msec.)	Section	Data: Decimal Value (001 to 255 x 30 msec.)	Description (Default Setting: 600 msec.)
[0961]	___/___/___	Input speed of input 01	**[0969]**	___/___/___	Input speed of input 09 (ATZ of input 01)
[0962]	___/___/___	Input speed of input 02	**[0970]**	___/___/___	Input speed of input 10 (ATZ of input 02)
[0963]	___/___/___	Input speed of input 03	**[0971]**	___/___/___	Input speed of input 11 (ATZ of input 03)
[0964]	___/___/___	Input speed of input 04	**[0972]**	___/___/___	Input speed of input 12 (ATZ of input 04)
[0965]	___/___/___	Input speed of input 05	**[0973]**	___/___/___	Input speed of input 13 (ATZ of input 05)
[0966]	___/___/___	Input speed of input 06	**[0974]**	___/___/___	Input speed of input 14 (ATZ of input 06)
[0967]	___/___/___	Input speed of input 07	**[0975]**	___/___/___	Input speed of input 15 (ATZ of input 07)
[0968]	___/___/___	Input speed of input 08	**[0976]**	___/___/___	Input speed of input 16 (ATZ of input 08)

Installer Code Programming

Worksheet 10: Installer Code Programming

Section	Data	Description (Default Setting: 000000)
[1000]	___/___/___/___/___/___	Installer code (refer to section **[3001]**, in worksheet 20 on page 39)

User Code Options

Use the following section to program access codes when using the K641/K641+/K641R/K641LX or K656 keypads. With this section you can program user codes options, partition assignment, and access control features for users 001 to 999. Always refer to the keypad's respective user manual for additional, pertinent information on how to program users, as well as user labels. Complete user manuals are available on our Web site at paradox.com.

To program user code options:

1. Press and hold **0**.
2. Enter the installer code.
3. Enter the section you wish to program. Sections **[1001]** to **[1999]** represent user numbers 001 to 999.
4. In *User Code Options*, set the desired options, by referring to table 15. Press **ENTER** or ▲ to save your settings and advance to the next section.
5. In *User Area Assignment*, set the desired options, by referring to table 16. Press **ENTER** or ▲ to save your settings and advance to the next section.
6. In *Access Level and Schedule Assignment*, enter the desired settings, by referring to figure 1.
7. In *Access Control User Options*, set the desired options, by referring to table 17. Press **ENTER** or ▲ to save your settings and advance to the next section.
8. In *Access Card*, enter the access card's serial number manually, or present the card to the reader which is connected to the keypad.
9. In *Remote Control Assignment*, enter the remote's serial number manually, or press a remote button twice. Remotes can also be assigned using a master code.

Table 15: User options for EVOHD

Input Value		Description (Master Feature)
1	2	
OFF	ON	Disabled
ON	OFF	Master: user can only program user access codes
ON	ON	Full Master: user can program user access codes, options, and assignments

Input Value	Description
3	Duress
4	**Bypass**
5	Arm only
6	Stay & Instant
7	**Force**
8	OFF: access keypad's partition only ON: access any partition assigned to user

Table 16: User area assignment for EVOHD

Input Value	Description
1	User has access to area 1
2	User has access to area 2
3	User has access to area 3
4	User has access to area 4
5	User has access to area 5
6	User has access to area 6
7	User has access to area 7
8	User has access to area 8

The default setting depends on the programming user's assigned partitions. For example, when a Master user – who is already assigned to partitions 1 and 2 – programs a user code, partitions 1 and 2 will be the default setting for the new user.

Figure 1: Description of the Access Level and Schedule Assignment setting.

(00) (00)

Access Level
Enter setting from **00** (default) to **15**. Default setting grants access to all doors.

Schedule Assignment
Enter setting from **00** (default) to **15**. Default setting grants access at all times.
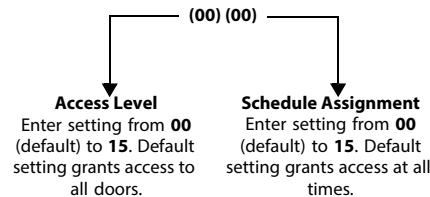
Table 17: Access control user options for EVOHD

Input Value	Description
1	Access control
2	Disarm on access granted
3	Extended unlock delay on access
6	Add tolerance window to schedule
7	Access code follows schedule
8	OFF: unlock and disarm area(s) on access granted ON: code must be entered at security keypad, to disarm

Input Value		Description (Arming upon access granted)
4	5	
OFF	OFF	Disabled
ON	OFF	Regular arm
OFF	ON	Stay arm
ON	ON	Force arm

Arming and Disarming Report Codes

Use the following section to program arming and disarming report codes on your EVOHD control panel. Use worksheet 11 to record your settings. For Ademco Slow, Silent Knight Fast, Sescoa, Ademco Express, or pager formats, key-in desired two-digit hex values from 00 to FF.

Ademco Format
- Use section **[4033]** to program a set of default Ademco report codes, using table 49 (*List of automatic report codes*), on page 57.
- To program the remaining report codes or change certain defaults, access the individual sections and key-in the desired two-digit hex value, found in table 50 (*List of Ademco contact ID report codes*), on page 60.

SIA Format
- Use section **[4033]** to program a set of SIA report codes, using table 49 (*List of automatic report codes*), on page 57.
- Codes that have not been set to *default* can be set as such manually, by entering FF in the appropriate section.
- To disable the reporting of an event, enter **00** in the appropriate section.

Worksheet 11: Arming and Disarming Report Codes

Section	Access Code	Arming	Section	Access Code	Arming	Section	Access Code	Arming	Section	Access Code	Disarming	Section	Access Code	Disarming	Section	Access Code	Disarming
[2001]	1	___/___	[2048]	48	___/___	[2095]	95	___/___	[2101]	1	___/___	[2148]	48	___/___	[2195]	95	___/___
[2002]	2	___/___	[2049]	49	___/___	[2096]	96	___/___	[2102]	2	___/___	[2149]	49	___/___	[2196]	96	___/___
[2003]	3	___/___	[2050]	50	___/___	[2097]	97	___/___	[2103]	3	___/___	[2150]	50	___/___	[2197]	97	___/___
[2004]	4	___/___	[2051]	51	___/___	[2098]	98	___/___	[2104]	4	___/___	[2151]	51	___/___	[2198]	98	___/___
[2005]	5	___/___	[2052]	52	___/___	[2099]	99-999	___/___	[2105]	5	___/___	[2152]	52	___/___	[2199]	99-999	___/___
[2006]	6	___/___	[2053]	53	___/___				[2106]	6	___/___	[2153]	53	___/___			
[2007]	7	___/___	[2054]	54	___/___				[2107]	7	___/___	[2154]	54	___/___			
[2008]	8	___/___	[2055]	55	___/___				[2108]	8	___/___	[2155]	55	___/___			
[2009]	9	___/___	[2056]	56	___/___				[2109]	9	___/___	[2156]	56	___/___			
[2010]	10	___/___	[2057]	57	___/___				[2110]	10	___/___	[2157]	57	___/___			
[2011]	11	___/___	[2058]	58	___/___				[2111]	11	___/___	[2158]	58	___/___			
[2012]	12	___/___	[2059]	59	___/___				[2112]	12	___/___	[2159]	59	___/___			
[2013]	13	___/___	[2060]	60	___/___				[2113]	13	___/___	[2160]	60	___/___			
[2014]	14	___/___	[2061]	61	___/___				[2114]	14	___/___	[2161]	61	___/___			
[2015]	15	___/___	[2062]	62	___/___				[2115]	15	___/___	[2162]	62	___/___			
[2016]	16	___/___	[2063]	63	___/___				[2116]	16	___/___	[2163]	63	___/___			
[2017]	17	___/___	[2064]	64	___/___				[2117]	17	___/___	[2164]	64	___/___			
[2018]	18	___/___	[2065]	65	___/___				[2118]	18	___/___	[2165]	65	___/___			
[2019]	19	___/___	[2066]	66	___/___				[2119]	19	___/___	[2166]	66	___/___			
[2020]	20	___/___	[2067]	67	___/___				[2120]	20	___/___	[2167]	67	___/___			
[2021]	21	___/___	[2068]	68	___/___				[2121]	21	___/___	[2168]	68	___/___			
[2022]	22	___/___	[2069]	69	___/___				[2122]	22	___/___	[2169]	69	___/___			
[2023]	23	___/___	[2070]	70	___/___				[2123]	23	___/___	[2170]	70	___/___			
[2024]	24	___/___	[2071]	71	___/___				[2124]	24	___/___	[2171]	71	___/___			
[2025]	25	___/___	[2072]	72	___/___				[2125]	25	___/___	[2172]	72	___/___			
[2026]	26	___/___	[2073]	73	___/___				[2126]	26	___/___	[2173]	73	___/___			
[2027]	27	___/___	[2074]	74	___/___				[2127]	27	___/___	[2174]	74	___/___			
[2028]	28	___/___	[2075]	75	___/___				[2128]	28	___/___	[2175]	75	___/___			
[2029]	29	___/___	[2076]	76	___/___				[2129]	29	___/___	[2176]	76	___/___			
[2030]	30	___/___	[2077]	77	___/___				[2130]	30	___/___	[2177]	77	___/___			
[2031]	31	___/___	[2078]	78	___/___				[2131]	31	___/___	[2178]	78	___/___			
[2032]	32	___/___	[2079]	79	___/___				[2132]	32	___/___	[2179]	79	___/___			
[2033]	33	___/___	[2080]	80	___/___				[2133]	33	___/___	[2180]	80	___/___			
[2034]	34	___/___	[2081]	81	___/___				[2134]	34	___/___	[2181]	81	___/___			
[2035]	35	___/___	[2082]	82	___/___				[2135]	35	___/___	[2182]	82	___/___			
[2036]	36	___/___	[2083]	83	___/___				[2136]	36	___/___	[2183]	83	___/___			
[2037]	37	___/___	[2084]	84	___/___				[2137]	37	___/___	[2184]	84	___/___			
[2038]	38	___/___	[2085]	85	___/___				[2138]	38	___/___	[2185]	85	___/___			
[2039]	39	___/___	[2086]	86	___/___				[2139]	39	___/___	[2186]	86	___/___			
[2040]	40	___/___	[2087]	87	___/___				[2140]	40	___/___	[2187]	87	___/___			
[2041]	41	___/___	[2088]	88	___/___				[2141]	41	___/___	[2188]	88	___/___			
[2042]	42	___/___	[2089]	89	___/___				[2142]	42	___/___	[2189]	89	___/___			
[2043]	43	___/___	[2090]	90	___/___				[2143]	43	___/___	[2190]	90	___/___			
[2044]	44	___/___	[2091]	91	___/___				[2144]	44	___/___	[2191]	91	___/___			
[2045]	45	___/___	[2092]	92	___/___				[2145]	45	___/___	[2192]	92	___/___			
[2046]	46	___/___	[2093]	93	___/___				[2146]	46	___/___	[2193]	93	___/___			
[2047]	47	___/___	[2094]	94	___/___				[2147]	47	___/___	[2194]	94	___/___			

Access Control Sections

Use the following section to program access control features, such as assigning doors, as well as schedule and holiday programming.

Assigning Doors to the System

These doors are used to program the access levels in sections **[2601]** to **[2615]**. If a door must be linked to the alarm system, install a door contact and assign it to a zone (see *Zone Programming* on page 10). Use worksheet 12 to record your settings.

NOTE: Under the *Door Numbering* column of worksheet 12, enter the eight-digit serial number of the access control module or keypad.

Table 19: Description of the different door options

Door Option	Name	Description
1	OR/AND door access	Each door can be programmed to grant access only to cards assigned to at least one of the door's partitions (*OR Door Access*), or to cards assigned to all the door's assigned partitions (*AND Door Access*). Enabling option 1 will set the door in *OR* mode; disabling it will set the door in *AND* mode.
2	User code access	When option 2 is disabled, the access control door is accessed by presenting the access card to the reader. When option 2 is enabled, a reader is not needed to access the controlled door. To access the controlled door, the user must enter an access code and then press **ACC** on the K641/K641+/K641R/K641LX keypads, or **MENU** > **8**, and then enter access code, when using the K656 keypad.
3	Card and code access	When option 3 is enabled, both a valid access control card and user access code must be used. The access control card and user access code must belong to the same user. When option 3 is disabled, either a valid access control card or user access code must be used to access the controlled door (keypad with reader only).
4	Restrict arming on door	When option 4 is enabled, that door's reader cannot be used to arm the system, even if the access control card has the arming option enabled.
5	Restrict disarming on door	When option 5 is enabled, that door's reader cannot be used to disarm the system, even if the access control card has the disarming option enabled.

Worksheet 12: Assigning Doors

Section	Door #	Door Numbering — Eight-digit Serial Number	Section	Door Options — Option	Section	Door Labels — Label
[2201]	1	__/__/__/__/__/__/__/__	**[2251]**	1 2 3 4 5 * * *	**[2301]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2202]	2	__/__/__/__/__/__/__/__	**[2252]**	1 2 3 4 5 * * *	**[2302]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2203]	3	__/__/__/__/__/__/__/__	**[2253]**	1 2 3 4 5 * * *	**[2303]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2204]	4	__/__/__/__/__/__/__/__	**[2254]**	1 2 3 4 5 * * *	**[2304]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2205]	5	__/__/__/__/__/__/__/__	**[2255]**	1 2 3 4 5 * * *	**[2305]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2206]	6	__/__/__/__/__/__/__/__	**[2256]**	1 2 3 4 5 * * *	**[2306]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2207]	7	__/__/__/__/__/__/__/__	**[2257]**	1 2 3 4 5 * * *	**[2307]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2208]	8	__/__/__/__/__/__/__/__	**[2258]**	1 2 3 4 5 * * *	**[2308]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2209]	9	__/__/__/__/__/__/__/__	**[2259]**	1 2 3 4 5 * * *	**[2309]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2210]	10	__/__/__/__/__/__/__/__	**[2260]**	1 2 3 4 5 * * *	**[2310]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2211]	11	__/__/__/__/__/__/__/__	**[2261]**	1 2 3 4 5 * * *	**[2311]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2212]	12	__/__/__/__/__/__/__/__	**[2262]**	1 2 3 4 5 * * *	**[2312]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2213]	13	__/__/__/__/__/__/__/__	**[2263]**	1 2 3 4 5 * * *	**[2313]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2214]	14	__/__/__/__/__/__/__/__	**[2264]**	1 2 3 4 5 * * *	**[2314]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2215]	15	__/__/__/__/__/__/__/__	**[2265]**	1 2 3 4 5 * * *	**[2315]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2216]	16	__/__/__/__/__/__/__/__	**[2266]**	1 2 3 4 5 * * *	**[2316]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2217]	17	__/__/__/__/__/__/__/__	**[2267]**	1 2 3 4 5 * * *	**[2317]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2218]	18	__/__/__/__/__/__/__/__	**[2268]**	1 2 3 4 5 * * *	**[2318]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2219]	19	__/__/__/__/__/__/__/__	**[2269]**	1 2 3 4 5 * * *	**[2319]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2220]	20	__/__/__/__/__/__/__/__	**[2270]**	1 2 3 4 5 * * *	**[2320]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2221]	21	__/__/__/__/__/__/__/__	**[2271]**	1 2 3 4 5 * * *	**[2321]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2222]	22	__/__/__/__/__/__/__/__	**[2272]**	1 2 3 4 5 * * *	**[2322]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2223]	23	__/__/__/__/__/__/__/__	**[2273]**	1 2 3 4 5 * * *	**[2323]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2224]	24	__/__/__/__/__/__/__/__	**[2274]**	1 2 3 4 5 * * *	**[2324]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2225]	25	__/__/__/__/__/__/__/__	**[2275]**	1 2 3 4 5 * * *	**[2325]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2226]	26	__/__/__/__/__/__/__/__	**[2276]**	1 2 3 4 5 * * *	**[2326]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2227]	27	__/__/__/__/__/__/__/__	**[2277]**	1 2 3 4 5 * * *	**[2327]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2228]	28	__/__/__/__/__/__/__/__	**[2278]**	1 2 3 4 5 * * *	**[2328]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2229]	29	__/__/__/__/__/__/__/__	**[2279]**	1 2 3 4 5 * * *	**[2329]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2230]	30	__/__/__/__/__/__/__/__	**[2280]**	1 2 3 4 5 * * *	**[2330]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2231]	31	__/__/__/__/__/__/__/__	**[2281]**	1 2 3 4 5 * * *	**[2331]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__
[2232]	32	__/__/__/__/__/__/__/__	**[2282]**	1 2 3 4 5 * * *	**[2332]**	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__

Schedule Programming

Each schedule determines when users are permitted access. Schedules 001 to 015 (sections **[2401]** to **[2415]**) are primary schedules. Primary schedules are the only schedules that can be assigned to a user access code. Schedules 016 to 032 (sections **[2416]** to **[2432]**) are secondary schedules. Secondary schedules cannot be assigned to a user access code and can only be used as backup schedules. Use worksheet 13 to record your settings for primary schedules and worksheet 14 on page 35, for secondary schedules.

WARNING: The *Start* and *End Time* of a schedule cannot cross over into another day. For example, to program a shift from 10 PM to 6 AM the next morning, you must program the schedule as follows: Schedule A – start time: 22:00 and end time: 23:59; then program Schedule B – start time: 00:00 and end time: 06:00. The schedule will not be interrupted between 23:59 and 00:00.

Primary Schedules

Worksheet 13: Programming Primary Schedules

Section	Schedule	Interval	Start Time (From)	End Time (To)	S	M	T	W	T	F	S	H
[2401]	001	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2402]	002	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2403]	003	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2404]	004	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2405]	005	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2406]	006	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2407]	007	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2408]	008	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2409]	009	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2410]	010	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2411]	011	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2412]	012	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2413]	013	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2414]	014	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2415]	015	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2416]	016	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8

Secondary Schedules

Worksheet 14: Programming Secondary Schedules

Section	Schedule	Interval	Start Time (From)	End Time (To)	S	M	T	W	T	F	S	H
[2401]	017	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2402]	018	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2403]	019	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2404]	020	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2405]	021	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2406]	022	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2407]	023	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2408]	024	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2409]	025	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2410]	026	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2411]	027	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2412]	028	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2413]	029	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2414]	030	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2415]	031	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
[2416]	032	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
		Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8

Backup Schedules

Each programmed schedule (see *Schedule Programming* on page 34) can be backed-up or linked to another schedule. The backup will be used in the event that the first schedule is invalid. In worksheet 15, enter the three-digit number of the schedule you wish to use as the backup. For instance, if you wish to back-up Schedule 001 to Schedule 011, enter **011** in section **[2501]**.

The control panel will verify up to eight linked schedules, one after another, until it determines whether the card or code is valid. For example, if Schedule 001 is linked to Schedule 005, and Schedule 005 is linked to Schedule 030, then the control panel will verify Schedules 001, 005 and 030.

Worksheet 15: Programming Backup Schedules

Section	Schedule	Backup Schedule	Section	Schedule	Backup Schedule
[2501]	001	___/___/___	**[2517]**	017	___/___/___
[2502]	002	___/___/___	**[2518]**	018	___/___/___
[2503]	003	___/___/___	**[2519]**	019	___/___/___
[2504]	004	___/___/___	**[2520]**	020	___/___/___
[2505]	005	___/___/___	**[2521]**	021	___/___/___
[2506]	006	___/___/___	**[2522]**	022	___/___/___
[2507]	007	___/___/___	**[2523]**	023	___/___/___
[2508]	008	___/___/___	**[2524]**	024	___/___/___
[2509]	009	___/___/___	**[2525]**	025	___/___/___
[2510]	010	___/___/___	**[2526]**	026	___/___/___
[2511]	011	___/___/___	**[2527]**	027	___/___/___
[2512]	012	___/___/___	**[2528]**	028	___/___/___
[2513]	013	___/___/___	**[2529]**	029	___/___/___
[2514]	014	___/___/___	**[2530]**	030	___/___/___
[2515]	015	___/___/___	**[2531]**	031	___/___/___
[2516]	016	___/___/___	**[2532]**	032	___/___/___

Access Levels

Each access level is a combination of access control doors. For example, if option 1 in the first screen is enabled in section **[2601]**, Level 01 will allow access only to Door 01. Use worksheet 16 to record your settings.

Worksheet 16: Programming Access Levels

| Section | Level | Access to Doors (Turn ON or OFF access) | | | |
		First Screen (Doors 01 to 08)	Second Screen (Doors 09 to 16)	Third Screen (Doors 17 to 24)	Fourth Screen (Doors 25 to 32)
[2601]	01	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
[2602]	02	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
[2603]	03	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
[2604]	04	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
[2605]	05	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
[2606]	06	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
[2607]	07	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
[2608]	08	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
[2609]	09	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
[2610]	10	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
[2611]	11	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
[2612]	12	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
[2613]	13	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
[2614]	14	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
[2615]	15	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8

Holidays

When *H* is enabled in a schedule, access is permitted to users during the days programmed in the sections below. Use worksheet 17 to record your settings.

Worksheet 17: Programming Holidays

| Section | Month | Days | | | |
		First Screen (Days 01 to 08)	Second Screen (Days 09 to 16)	Third Screen (Days 17 to 24)	Fourth Screen (Days 25 to 31)
[2701]	January	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 *
[2702]	February	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 *
[2703]	March	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 *
[2704]	April	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 *
[2705]	May	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 *
[2706]	June	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 *
[2707]	July	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 *
[2708]	August	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 *
[2709]	September	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 *
[2710]	October	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 *
[2711]	November	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 *
[2712]	December	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 *

Keypad Numbering

Use the following section to number the different keypads configured to your system. Sections **[2801]** to **[2832]** are used solely for the purpose of identifying a keypad in the event buffer. Enter the eight-digit serial number of the keypad you wish to label as Keypad *x*, where *x* represents numbers 1 to 32 (e.g., Keypad 12). The event buffer will then display any events pertaining to this keypad, as Keypad 12. Use worksheet 18 on page 36 to record your settings.

Worksheet 18: Numbering Keypads

Section	Keypad #	Eight-digit Serial Number	Section	Keypad #	Eight-digit Serial Number
[2801]	1	__/__/__/__/__/__/__/__	**[2817]**	17	__/__/__/__/__/__/__/__
[2802]	2	__/__/__/__/__/__/__/__	**[2818]**	18	__/__/__/__/__/__/__/__
[2803]	3	__/__/__/__/__/__/__/__	**[2819]**	19	__/__/__/__/__/__/__/__
[2804]	4	__/__/__/__/__/__/__/__	**[2820]**	20	__/__/__/__/__/__/__/__
[2805]	5	__/__/__/__/__/__/__/__	**[2821]**	21	__/__/__/__/__/__/__/__
[2806]	6	__/__/__/__/__/__/__/__	**[2822]**	22	__/__/__/__/__/__/__/__
[2807]	7	__/__/__/__/__/__/__/__	**[2823]**	23	__/__/__/__/__/__/__/__
[2808]	8	__/__/__/__/__/__/__/__	**[2824]**	24	__/__/__/__/__/__/__/__
[2809]	9	__/__/__/__/__/__/__/__	**[2825]**	25	__/__/__/__/__/__/__/__
[2810]	10	__/__/__/__/__/__/__/__	**[2826]**	26	__/__/__/__/__/__/__/__
[2811]	11	__/__/__/__/__/__/__/__	**[2827]**	27	__/__/__/__/__/__/__/__
[2812]	12	__/__/__/__/__/__/__/__	**[2828]**	28	__/__/__/__/__/__/__/__
[2813]	13	__/__/__/__/__/__/__/__	**[2829]**	29	__/__/__/__/__/__/__/__
[2814]	14	__/__/__/__/__/__/__/__	**[2830]**	30	__/__/__/__/__/__/__/__
[2815]	15	__/__/__/__/__/__/__/__	**[2831]**	31	__/__/__/__/__/__/__/__
[2816]	16	__/__/__/__/__/__/__/__	**[2832]**	32	__/__/__/__/__/__/__/__

Remote Control Programming

Use the following section to program the various remote controls in your EVOHD system.

It is possible to configure up to 16 different button templates, which are then assigned to individual users. Each user is pre-programmed with a default button pattern for their remote control: (1 B) (C 0) (template 0).

NOTE: Button definitions and partition/one-touch definitions are linked together to create a button template. For example, Template 0 is comprised of button definition **[2900]** together with partition/one-touch definition **[2916]**.

Remote Control Templates

To use REM3 templates:
1. Define the 16-button definitions in sections **[2900]** to **[2915]**.
2. Define the 16-partition/one-touch definitions in sections **[2916]** to **[2931]**.
3. Define which button template is used as the default for remotes in section **[2940]**.
4. Assign button templates to users in section **[2941]**.
Use the information in tables 16 and 17, as well as figure , to enter data in worksheet 19 on page 38.

Table 16: Template data for remote control programming

Entry		Function
K641/K641+/ K641R/K641LX	K656	
0	0	Button disabled
1	1	Regular arm
2	2	Stay arm
3	3	Instant arm
4	4	Force arm
5	5	Utility key 5
6	6	Utility key 6
7	7	-
8	8	Panic 1
9	9	Panic 2
A = **STAY**	A = **ARM**	Panic 3
B = **FORCE**	B = **SLEEP**	Utility key 1
C = **ARM**	C = **STAY**	Utility key 2
D = **DISARM**	D = **OFF**	Utility key 3
E = **BYP**	E = **MENU**	Utility key 4
F = **MEM**	F = ⬚	-

Table 17: Test PGMs and their section numbers

Section	Name	Description
[2940]	Default button template	To select a button template as the default template, enter **00** to **15,** representing button templates in sections **[2900]** to **[2915]**.
[2941]	Assign button template	To assign a button template to a user, select the user when prompted, then enter **00** to **15**, representing button templates in sections **[2900]** to **[2915]**. If user *000* is selected, all users are modified.

Figure 2: Entering data for section [2916] on a LCD keypad (use for worksheet 19 on page 38).

Section # → 2 9 1 6   P a r a m e t e r s
(0 F)   (1 2 * * * * * *)

Default (All User's Partitions)
Default (No Partitions)
One-touch PGM Keys
One-touch Disarm Keys

Worksheet 19: Programming Remote Controls
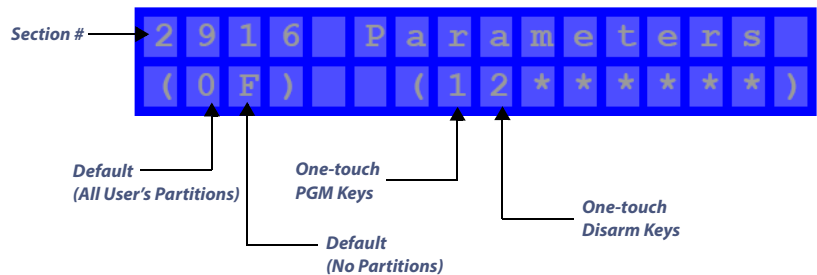
REM3 Remote Control / REM1/REM2/RAC1/RAC2

	PGM 1 [9]	PGM 2 [0]	PGM 3 [x]	PGM 4 [√]	PGM 5 [●]	PGM 6 [●]	PGM 3 & 4 [x]+[√]	PGM 5 & 6 [●]+[●]	Section	(red) 1	⏻ ● B	↑ ●● C	⏻+↑ ●+●● Disabled
Default Data	1*	B*	C*	0*	5	6	0	0	Section	1	B	C	Disabled
Template 0									[2900]				
1									[2901]				
2									[2902]				
3									[2903]				
4									[2904]				
5									[2905]				
6									[2906]				
7									[2907]				
8									[2908]				
9									[2909]				
10									[2910]				
11									[2911]				
12									[2912]				
13									[2913]				
14									[2914]				
15									[2915]				

One-touch Keys

	Partitions ** P1 Default = 0 (All user's partitions)	Partitions ** P2 Default = F (No partitions)	One-touch PGM Keys	One-touch Disarm Keys	Section
			▲ = Disabled (default) □ = Enabled	▲ = Disabled (default) □ = Enabled	
Template 0			□	□	[2916]
1			□	□	[2917]
2			□	□	[2918]
3			□	□	[2919]
4			□	□	[2920]
5			□	□	[2921]
6			□	□	[2922]
7			□	□	[2923]
8			□	□	[2924]
9			□	□	[2925]
10			□	□	[2926]
11			□	□	[2927]
12			□	□	[2928]
13			□	□	[2929]
14			□	□	[2930]
15			□	□	[2931]

* REM1/RAC1 and REM2/RAC2 remotes only us the data in these columns.

*** If *0* is entered, the associated buttons will control all partitions to which the user is assigned. If *F* is entered, the associated buttons will be disabled.

Control Panel Settings

Use the following section to record control panel settings for your EVOHD system. Use worksheet 20 to record your settings.

Table 20: Daylight Saving Time (DST) schedule for EVOHD

Input Value	Schedule Used	Input Value	Schedule Used
000	Mexico; St.-Johns; Bahamas; Turks and Caicos	010	New-Zealand; Chatham
001	Cuba	011	Tonga
002	Brazil	012	Iraq; Syria
003	Chile	013	Israel (TBC)
004	Falkland Islands	014	Lebanon; Kyrgyzstan
005	Paraguay	015	Palestine
006	European Union; United Kingdom; Greenland	016	Egypt
007	Russia and surrounding countries	017	Namibia
008	South Australia; Victoria; Australian Capital Territory; New South Wales	018	Canada; United States (default)
009	Tasmania; Lord Howe Island	019	New Zealand

Worksheet 20: Control Panel Settings

Section	Data	Description	Default Setting
[3001]	__/__/__	Installer lock	000
[3002]	__/__/__	Power Transformer size	075 VA
[3010]	/__/	PC phone number (32 digits)	-
[3011]	__/__/__/__	Panel identification	0000
[3012]	__/__/__/__	PC password	0000
[3020]	__/__	Panel partition (00-08)	00
[3021]	__/__	Trouble shutdown (00-15)	00
[3022]	__/__/__	DST schedule (see table 20)	018
[3023]	__/__/__	Panic Shutdown (0-255)	000

WARNING: You must program the correct transformer size (Ex: 40VA, 75VA). Using a transformer with a lower VA than the one programmed may overload and damage the transformer.

System Options

Use the following section to program system options on your EVOHD system. Table 21 provides information on sections **[3028]** through **[3035]**.

Table 21: Description of sections [3028] to [3035]

Section	Option	Description	OFF		ON	
Section **[3028]** System Options 1	1	Panel Tamper	□	Disabled	▲	Enabled
	2	Modem speed	□	300 bps	▲	Auto-detect (300/1200 bps)
	3	Future use	▲	Disabled	□	Enabled
	4	Future use	▲	Disabled	□	Enabled
	5	Future use	▲	Disabled	□	Enabled
	6	Future use	▲	Disabled	□	Enabled
	7	Future use	▲	Disabled	□	Enabled
	8	Arm Inhibit on Fail to Communicate	▲	Disabled	□	Enabled
Section **[3030]** System Options 2	1	PGM 1 = Two-wire smoke detector input (255)	▲	Disabled	□	Enabled
	2	No bell cut-off during pulse alarm	▲	Disabled	□	Enabled
	3	Daylight Saving Time (see table 20)	□	Disabled	▲	Enabled
	4	Shabbat feature	▲	Disabled	□	Enabled
	5	Future use	▲	Disabled	□	Enabled
	6	AC failure not displayed as trouble	▲	Disabled	□	Enabled
	7	Clear bell limit trouble	▲	On restore	□	Manually
	8	Combus speed*	▲	Normal	□	High

Section	Option	Description	OFF		ON	
Section **[3029]** System Options 1	1	Enable if using an RTX3 without an K641/K641+/K641R/K641LX	▲	Disabled	□	Enabled
	2	Future use	▲	Disabled	□	Enabled
	3	Future use	▲	Disabled	□	Enabled
	4	EN 50131 mode	▲	Disabled	□	Enabled
	5 & 6	Anti-mask supervision (see table 22)	- / -	See table 22	- / -	See table 22
	7	Bypass anti-mask trouble	▲	Yes	□	No
	8	Restrict arming on Anti-mask trouble	▲	Disabled	□	Enabled
Section **[3031]** Partition Options 1	1	Partition 1	□	Disabled	▲	Enabled
	2	Partition 2	▲	Disabled	□	Enabled
	3	Partition 3	▲	Disabled	□	Enabled
	4	Partition 4	▲	Disabled	□	Enabled
	5	Partition 5	▲	Disabled	□	Enabled
	6	Partition 6	▲	Disabled	□	Enabled
	7	Partition 7	▲	Disabled	□	Enabled
	8	Partition 8	▲	Disabled	□	Enabled

Table 21: Description of sections [3028] to [3035] (Continued)

Section	Option	Description	OFF		ON	
Section [3032] Partition Options 2	1	Bell/siren output in partition 1	□	Disabled	▲	Enabled
	2	Bell/siren output in partition 2	▲	Disabled	□	Enabled
	3	Bell/siren output in partition 3	▲	Disabled	□	Enabled
	4	Bell/siren output in partition 4	▲	Disabled	□	Enabled
	5	Bell/siren output in partition 5	▲	Disabled	□	Enabled
	6	Bell/siren output in partition 6	▲	Disabled	□	Enabled
	7	Bell/siren output in partition 7	▲	Disabled	□	Enabled
	8	Bell/siren output in partition 8	▲	Disabled	□	Enabled
Section [3034] System Options 4	1 & 2	Wireless Transmitter Supervision Options (see table 23)	- -	See table 23	- -	See table 23
	3	Generate supervision failure if detected on a bypassed wireless zone	▲	Yes	□	No
	4	Restrict arming on a wireless transmitter supervision failure	▲	Disabled	□	Enabled
	5 & 6	Zone & Module Tamper Recognition Options (see table 24)	- -	See table 24	- -	See table 24
	7	Generate tamper if detected on bypass zone	□	Yes	▲	No
	8	Restrict arming on tamper trouble	▲	Disabled	□	Enabled

Section	Option	Description	OFF		ON	
Section [3033] System Options 3	1	Multiple actions in user menu	▲	Disabled	□	Enabled
	2	User code length	▲	Fixed	□	Flexible
	3	User code length (if option 2 is OFF)**	▲	4 digits	□	6 digits
	4	Power save mode	□	Disabled	▲	Enabled
	5	Bypass not displayed while system is armed	□	Disabled	▲	Enabled
	6	Trouble latch	▲	Disabled	□	Enabled
	7	EOL resistor on hardwire zones	▲	Disabled	□	Enabled
	8	Zone doubling (ATZ)	▲	Disabled	□	Enabled
Section [3035] System Options 5	1	Restrict arming on AC failure	▲	Disabled	□	Enabled
	2	Restrict arming on battery failure	▲	Disabled	□	Enabled
	3	Restrict arming on bell or auxiliary failure	▲	Disabled	□	Enabled
	4	Restrict arming on TLM failure	▲	Disabled	□	Enabled
	5	Restrict arming on module troubles	▲	Disabled	□	Enabled
	6	Account number transmission	▲	Partition #	□	Tel #
	7	Transmit zone status on serial port †	▲	Disabled	□	Enabled
	8	Future use	▲	Disabled	□	Enabled

▲= Default
* When the combus speed is changed, all operations on the system will be suspended for approximately one minute, while the system adjusts itself.
** All numbers from 000000 to 999999 are valid giving a total of 1,000,000 different possible combinations.
† This option is used by certain event monitoring software, such as Hyperterminal. With BabyWare and printers, it is always being transmitted.

NOTE: You must put a 7Ah battery (or higher) on the system. The speed the battery charges at will vary, depending on power used on the auxiliary port, and the transformer size.

Table 22: Anti-mask supervision options; options 5 and 6 for section [3029]

Option		Description
5	6	
OFF	OFF	Disabled (default)
OFF	ON	Generates trouble only (when armed or disarmed)
ON	OFF	When armed: alarm When disarmed: generates trouble only
ON	ON	When armed: alarm When disarmed: alarm

Table 23: Wireless transmitter supervision options; options 1 and 2 for section [3034]

Option		Description
1	2	
OFF	OFF	Disabled (default)
OFF	ON	Generates trouble only (when armed or disarmed)
ON	OFF	When armed: follows zone types (see *Zone Programming* on page 10) When disarmed: generates trouble only
ON	ON	When armed: follows zone types (see *Zone Programming* on page 10) When disarmed: generates audible alarm

Table 24: Zone and module tamper recognition options; options 5 and 6 for section [3034]

Option		Description
5	6	
OFF	OFF	Disabled (default)
OFF	ON	Generates trouble only (when armed or disarmed)
ON	OFF	When armed: follows zone types (see *Zone Programming* on page 10) for zone tamper; generates trouble for module tamper When disarmed: generates trouble only
ON	ON	When armed: follows zone types (see *Zone Programming* on page 10) When disarmed: generates audible alarm

Dialer Options

Use the following section to program dialer options on your EVOHD system. Table 25 provides information on sections **[3036]** and **[3037]**.

Table 25: Description of sections 3036 to 3037

Section	Option	Description	OFF		ON	
Section [3036] Dialer Options 1	1	Telephone line monitoring (TLM; see table 26)	-	See table 26	-	See table 26
	2		-		-	
	3	Dialer (reporting to monitoring station)	▲	Disabled	□	Enabled
	4	Dialing method	□	Pulse	▲	Tone (DTMF)
	5	Pulse ratio (E.U. = Europe; N.A. = North America)	□	1:2 (E.U.)	▲	1:1.5 (N.A.)
	6	Busy tone detection	□	Disabled	▲	Enabled
	7	Switch to pulse dialing on fifth attempt	▲	Disabled	□	Enabled
	8	Bell/siren upon communication failure, if system is armed	▲	Disabled	□	Enabled

Section	Option	Description	OFF		ON	
Section [3037] Dialer Options 2	1	Call back	▲	Disabled	□	Enabled
	2	Automatic event buffer transmission	▲	Disabled	□	Enabled
	3	AutoTest report transmission options (see *AutoTest Report Settings* on page 42)	-	See table 27	-	See table 27
	4		-		-	
	5	Keypad beep on successful arming/disarming report	▲	Disabled	□	Enabled
	6	Alternate dialing	▲	Disabled	□	Enabled
	7	Dial tone delay (if no dial tone)	▲	Force dial	□	Hang up
	8	Report zone restore ON = Upon zone closure OFF = Upon bell cut-off	▲	Disabled	□	Enabled

▲ = Default

Table 26: Telephone line monitoring (TLM) options; options 1 and 2 for section [3036]

Option		Description
1	2	
OFF	OFF	Disabled (default)
OFF	ON	When armed: generates an audible alarm
ON	OFF	When armed: generates a trouble
ON	ON	TLM silent alarm: becomes an audible alarm

Table 27: AutoTest report transmission options; options 3 and 4 for section [3037]

Option		Description
3	4	
OFF	OFF	Transmit the test report code every time the days programmed in section **[3040]** have elapsed, at the time programmed in section **[3041]**; (default)
OFF	ON	When armed: transmit test report code every time the time programmed in section **[3042]** has elapsed When disarmed: transmit test report code every time the time programmed in section **[3043]** has elapsed
ON	OFF	The control panel will transmit the test report code every hour, on the minute value programmed in section **[3041]** (the last two digits); the first two digits of section **[3041]** will be ignored; for example, if 10:25 was programmed in section **[3041]**, the test report code would be transmitted at the 25th minute of every hour; i.e., 11:25, 12:25, etc.
ON	ON	The test report code will be transmitted when one or more of the conditions of the second and third options, listed above, are met; i.e., option 3 = OFF and option 4 = ON, or option 3 = ON and option 4 = OFF

Additional Options

Use the following section to program additional options on your EVOHD system. Table 28 provides information on sections **[3038]**. Use worksheets 21, 22, and 23 to record your settings.

Table 28: Description of sections [3038] and [2750]

Section	Option	Description	OFF		ON		Section	Option	Description	OFF		ON	
Section [3038] Access Control Options	1	Access control feature	▲	Disabled	☐	Enabled	Section [2750] Access Event Reporting Options	1	Reporting of *Request for Exit*	▲	Disabled	☐	Enabled
	2	Log *Request for Exit* in event buffer*	▲	Disabled	☐	Enabled		2	Reporting of *Door control command by PC*	▲	Disabled	☐	Enabled
	3	Log *Door Left Open Restore* in event buffer	▲	Disabled	☐	Enabled		3	Reporting of *Access denied by User*	▲	Disabled	☐	Enabled
	4	Log *Door Forced Restore* in event buffer	▲	Disabled	☐	Enabled		4	Reporting of *Access Granted by User*	▲	Disabled	☐	Enabled
	5	Burglar alarm on forced door	▲	Disabled	☐	Enabled		5	Reporting of *Door Left Open and Restore*	▲	Disabled	☐	Enabled
	6	Skip exit delay when arming with access card	▲	Disabled	☐	Enabled		6	Reporting of *Door Forced Open and Restore*	▲	Disabled	☐	Enabled
	7	Burglar alarm on door left open	▲	Disabled	☐	Enabled		7	Future Use	-		-	
	8	Who has access during clock loss	▲	All users	☐	Masters*		8	Future Use	-		-	

▲ = Default

* Also includes users with *00* for schedule access.

WARNING: Since *Request for Exit* events can occur often, the event buffer may fill up quickly.

Schedule Tolerance Window

Worksheet 21: Schedule Tolerance Window

Section	Data		Description	Default Setting
[3039]	___/___/___	(x 1 min.)	Schedule tolerance window	000

AutoTest Report Settings

Worksheet 22: AutoTest Report Settings

Section	Data		Description	Default Setting
[3040]	___/___/___	(x 1 day; 000 = disabled)	Schedule tolerance window	000
[3041]	___/___ : ___/___	(hr. 00-23 & min. 00-59)	AutoTest report time of day	00:00
[3042]	___/___/___	(000-255 x 1 min.)	Armed report delay	5 minutes
[3043]	___/___/___	(000-255 x 1 min.)	Disarmed report delay	60 minutes

NOTE: Refer to table 27 on page 41 for details

Timings

Worksheet 23: Timings Settings

Section	Data		Description	Default Setting
[3051]	___/___/___	(000-255)	Ring counter	008
[3052]	___/___/___	(000-255 x 4 sec.)	Answering machine delay override delay	32 seconds
[3053]	___/___/___	(000-255 x 2sec.)	TLM fail timer	32 seconds
[3054]	___/___/___	(000-127 x 1sec.)	Delay between dialing attempts	20 seconds
[3055]	___/___/___	(000-255 x 1 sec.; 000 = instant report)	Delay alarm transmission timer	000
[3056]	___/___/___	(000-255 x 1 attempt)	Maximum dialing attempts	8 attempts
[3057]	___/___/___	(000-127 x 1 second)	Pager delay before data transmission	20 seconds
[3058]	___/___/___	(000-255 x 1 min.; 000 = instant report)	Delay power failure report	30 minutes
[3059]	___/___/___	(000-255 x 1 repeat; 000 = no repeat)	Repeat pager report code transmission	000
[3060]	___/___/___	(000-255 x 1 min.)	Power failure restore delay report	030 minutes

Communication Settings

Use the following section to program communication settings on your EVOHD system.

Account Numbers

Use worksheet 24 on page 43 to record your settings.

WARNING: Only the SIA format supports the 0 = 0 digit in its account numbers. Account numbers that use other reporting formats do not support the 0 = 0 digit. In its place, enter A by pressing STAY (for the K641/K641+/K641R/K641LX keypads), or by pressing ARM (for the K656 keypad). When using the SIA format, and the *account number transmission* (see option 6, in section [3035] on page 40) corresponds to the partition, the control panel only uses the *partition 1 account number* programmed in section [3061], but the report code includes the partition number.

Worksheet 24: Account Number Settings

Section	Data (Hex Value: 0000-FFFF)	Description	Default Setting
[3061]	___/___/___/___ (If less than four digits, press ENTER)	Account number 1 (partition 1* / MSTN 1**)	0000
[3062]	___/___/___/___ (If less than four digits, press ENTER)	Account number 2 (partition 2* / MSTN 2**)	0000
[3063]	___/___/___/___ (If less than four digits, press ENTER)	Account number 3 (partition 3* / MSTN 3**)	0000
[3064]	___/___/___/___ (If less than four digits, press ENTER)	Account number 4 (partition 4* / MSTN 4**)	0000
[3065]	___/___/___/___ (If less than four digits, press ENTER)	Account number 5 (partition 5* / NA**)	0000
[3066]	___/___/___/___ (If less than four digits, press ENTER)	Account number 6 (partition 6* / NA**)	0000
[3067]	___/___/___/___ (If less than four digits, press ENTER)	Account number 7 (partition 7* / NA**)	0000
[3068]	___/___/___/___ (If less than four digits, press ENTER)	Account number 8 (partition 8* / NA**)	0000

 * Option 6 in section [3035] is disabled.
 ** Option 6 in section [3035] is enabled.

NOTE: MSTN is the abbreviation for *Monitoring Station Telephone Number.*

Reporting Formats

Use worksheets 25 and 26 to record your settings.

Table 29: Reporting formats for section [3070]

Input Value	Description	Input Value	Description
0	Ademco Slow (1400 Hz, 1900 Hz, 10 BPS)	5	Ademco contact ID
1	Silent Knight Fast (1400 Hz, 1900 Hz, 20 BPS)	6	SIA FSK (level 2)
2	Sescoa (2300 Hz, 1800 Hz, 20 BPS)	7	Pager
3	Ademco Express (DTMF 4+2)		
4	Pager contact ID		

NOTE: For more information on contact ID and SIA reporting formats, see table 49 (*List of automatic report codes),* on page 57.

Worksheet 25: Reporting Formats for Section [3070]

Section	Tel. # 1 Format	Tel. # 2 Format	Tel. # 3 Format	Tel. # 4 Format	Description
[3070]	___	___	___	___	Reporting formats for telephone numbers 1 to 4 / IP Receiver 1 to 4

NOTE: Use the same format for each number. Only the pager format can be used with other reporting formats.

Table 30: Special telephone number keys for the different keypads

Function	K641/K641+/K641R/K641LX	K656	Grafica
*	STAY	STAY	**#** (Press key until desired letter/ symbol appears)
#	FORCE	SLEEP	
Switch to tone dialing (T)	ARM	ARM	
Wait for second dial tone (W)	DISARM	OFF	
4-second pause (P)	BYP	MENU	
Clear	CLEAR	CLEAR	Left action key (clear)
Delete	TRBL	TRBL	-
Delete from cursor to the end	ACC	ACC	-
Insert space	MEM	MEM	-
Dial 9 for outside line	9 + STAY	9 + STAY	-

WARNING: To disable call-waiting for North American installations using either contact ID or SIA reporting formats, enter *70, and then either P (4-second pause) or W (wait for second dial tone) before entering the phone number. This applies to section [3071] to [3074] (see worksheet 26).

Worksheet 26: Reporting Formats for Sections [3071] to [3074]

Section	Data (Press ENTER if less than 32 digits)	Description
[3071]	__/	Monitoring station/pager telephone # 1
[3072]	__/	Monitoring station/pager telephone # 2
[3073]	__/	Monitoring station/pager telephone # 3
[3074]	__/	Monitoring station/pager telephone # 4

System Event Call Direction

Use the following section to program system event call directions on your EVOHD system. Table 31 provides information on sections **[3080]** and **[3081]**.

Table 31: Description of sections [3080] to [3081]

Section	Option	Description	OFF		ON		Section	Option	Description	OFF		ON	
Section **[3080]** System Troubles & Trouble Restores	1	Call telephone # 1/IP receiver # 1	□	Disabled	▲	Enabled	Section **[3081]** Special Reporting	1	Call telephone # 1/IP receiver # 1	□	Disabled	▲	Enabled
	2	Call telephone # 2/IP receiver # 2	▲	Disabled	□	Enabled		2	Call telephone # 2/IP receiver # 2	▲	Disabled	□	Enabled
	3	Call telephone # 3/IP receiver # 3	▲	Disabled	□	Enabled		3	Call telephone # 3/IP receiver # 3	▲	Disabled	□	Enabled
	4	Call telephone # 4/IP receiver # 4	▲	Disabled	□	Enabled		4	Call telephone # 4/IP receiver # 4	▲	Disabled	□	Enabled
	5	Backup on telephone # 1/IP receiver # 1	▲	Disabled	□	Enabled		5	Backup on telephone # 1/IP receiver # 1	▲	Disabled	□	Enabled
	6	Backup on telephone # 2/IP receiver # 2	▲	Disabled	□	Enabled		6	Backup on telephone # 2/IP receiver # 2	▲	Disabled	□	Enabled
	7	Backup on telephone # 3/IP receiver # 3	▲	Disabled	□	Enabled		7	Backup on telephone # 3/IP receiver # 3	▲	Disabled	□	Enabled
	8	Backup on telephone # 4/IP receiver # 4	▲	Disabled	□	Enabled		8	Backup on telephone # 4/IP receiver # 4	▲	Disabled	□	Enabled

▲= Default

NOTE: For sections **[**3080**]** and **[**3081**]**, enable only one of options 5 to 8.

Use the following section to program the VDMP3 Voice Module on your EVOHD system. Use worksheets 27 and 28 to record your settings.

You can program up to eight telephone numbers which the VDMP3 will call in sequence, in case of an alarm. Telephone numbers should be programmed in a priority-based sequence, as the VDMP3 will begin with telephone number 1. See table 32 for information on sections **[3087]** and **[3090]**.

Table 32: Description of sections [3087] and [3090]

Section	Option	Description	OFF		ON		Section	Option	Description	OFF		ON	
Section **[3087]** VDMP3 Features (PGM)	1	Feature (PGM) 1	▲	Disabled	□	Enabled	Section **[3090]** VDMP3 Functions	1	Voice module incoming call	□	Disabled	▲	Enabled
	2	Feature (PGM) 2	▲	Disabled	□	Enabled		2	Voice reporting	□	Disabled	▲	Enabled
	3	Feature (PGM) 3	▲	Disabled	□	Enabled		3	Report AC/battery trouble	▲	Disabled	□	Enabled
	4	Feature (PGM) 4	▲	Disabled	□	Enabled		4	Inhibit disarming on voice module	▲	Disabled	□	Enabled
	5	Feature (PGM) 5	▲	Disabled	□	Enabled							
	6	Feature (PGM) 6	▲	Disabled	□	Enabled							
	7	Feature (PGM) 7	▲	Disabled	□	Enabled							
	8	Feature (PGM) 8	▲	Disabled	□	Enabled							

▲= Default

NOTE: To see how the VDMP3 features relate to the EVOHD utility key functions, refer to the E*VOHD Reference and Installation Manual* (available online only).

Worksheet 27: VDMP3 Settings

Section	Data		Description	Default Setting
[3088]	__/__/__	(000-127 x 1 sec.)	Delay before sending the voice message	003
[3089]	__/__/__	(000-255 x 1 repetition)	Defines the number of times the voice message is repeated	008

Section	Data (Press ENTER if less than 32 digits)	Description
[3091]	__/	Voice module telephone number 1
[3092]	__/	Voice module telephone number 2
[3093]	__/	Voice module telephone number 3
[3094]	__/	Voice module telephone number 4
[3095]	__/	Voice module telephone number 5
[3096]	__/	Voice module telephone number 6
[3097]	__/	Voice module telephone number 7
[3098]	__/	Voice module telephone number 8

NOTE: For extra key functions, see table 30 (*Special telephone number keys for the different keypads),* on page 43.

Table 33: Description of sections [3133] to [3833]

Option	Description	Partition 1 [3133]		Partition 2 [3233]		Partition 3 [3333]		Partition 4 [3433]		Partition 5 [3533]		Partition 6 [3633]		Partition 7 [3733]		Partition 8 [3833]	
		OFF	**ON**	**OFF**	**ON**	**OFF**	**ON**	**OFF**	**ON**	**OFF**	**ON**	**OFF**	**ON**	**OFF**	**ON**	**OFF**	**ON**
1	Telephone number 1	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲
2	Telephone number 2	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
3	Telephone number 3	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
4	Telephone number 4	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
5	Telephone number 5	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
6	Telephone number 6	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
7	Telephone number 7	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
8	Telephone number 8	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□

▲= Default

PCS GSM/GPRS Communicator Module

Use the following section to program the PCS GSM/GPRS Communicator Module on your EVOHD system. Use worksheets 29 to 37 to record your settings

BabyWare/PCS Module Connection

Worksheet 28: BabyWare/PCS Module Connection Settings

Section	Data	Description
[2960]	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/	Access point name (APN) part 1 (e.g., internet.com)
[2961]	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/	Access point name (APN) part 2 (e.g., wap.provider.com)
[2962]	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/	User name part 1
[2963]	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/	User name part 2
[2964]	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/	Password part 1
[2965]	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/	Password part 2
[2966]	__/__/__/__/__/	Port (default = 10000)
[3013]	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/	Installer software password (BabyWare) (default = admin)

PCS Module Programming

Table 34: Section [2950] GSM Options

Option		Description (GSM Reporting)		Option		Description	
1	2	Primary	Backup	3 & 4		Future use	
OFF	OFF	Landline	Landline	7		Future use	
OFF	ON	Landline	GSM	OFF ▲ Disabled	ON □ Enabled	PCS Tamper	
ON	OFF	GSM	Landline	8			
ON	ON	GSM	GSM	OFF ▲ Disabled	ON □ Enabled	GSM RF jamming supervision	
5	6	Description (GSM/GPRS No Service Trouble Feedback)		▲Default			
OFF	OFF	Disabled					
ON	OFF	When disarmed: trouble only; when armed: trouble only					
OFF	ON	When disarmed: trouble only; when armed: audible only					
ON	ON	Silent alarm becomes audible alarm					

PCS Module (GSM) Programming

Worksheet 29: PCS Module (GSM) Settings

Section	Data		Description
[2951]	__/__	Default: 00	Panel supervision lost (reporting code)
[2952]	__/__/__	(000 to 255) x 2 seconds	GSM no service timer (default: 016)
[2953]	__/__/__	(000 to 255)	SMS language (default: 000) refer to table 35

Table 35: SMS Language ID

ID	Language	ID	Language	ID	Language	ID	Language
000	English	006	Portuguese	012	Croatian	018	Slovak
001	French	007	German	013	Greek	019	Chinese
002	Spanish	008	Turkish	014	Hebrew	020	Serbian
003	Italian	009	Hungarian	015	Russian	021 to 255	Future use
004	Swedish	010	Czech	016	Bulgarian		
005	Polish	011	Dutch	017	Romanian		

SMS Site Name

Worksheet 30: SMS Site Name Settings

Section	Label
[2954]	__/__/__/__/__/__/__/__/__/__/__/__/__/__/__/__

IP150/PCS Module (GPRS) Options

Table 36: Section [2975] IP/GPRS Options

Option		Description (IP No Service Trouble Feedback)
5	6	
OFF	OFF	Disabled
ON	OFF	When disarmed: trouble only; when armed: trouble only
OFF	ON	When disarmed: trouble only; when armed: audible alarm
ON	ON	Silent alarm becomes audible alarm

Option		Description
7		
OFF ▲ As IP/GPRS reporting backup	ON ☐ In addition to IP/GPRS reporting	Use dialer reporting
8		
OFF ☐ Disabled	ON ▲ Enabled	Enable IP/GPRS reporting

IP/GPRS Reporting Account Programming

Worksheet 31: IP Account Number Settings

Section	Data	Description
[2976]	___/___/___/___	IP account partition 1/account 1 number
[2977]	___/___/___/___	IP account partition 2/account 2 number
[2978]	___/___/___/___	IP account partition 3/account 3 number
[2979]	___/___/___/___	IP account partition 4/account 4 number
[2980]	___/___/___/___	IP account partition 5/account 5 number
[2981]	___/___/___/___	IP account partition 6/account 6 number
[2982]	___/___/___/___	IP account partition 7/account 7 number
[2983]	___/___/___/___	IP account partition 8/account 8 number

Worksheet 32: IP Receiver 1 Configuration

Section	Data	Description
[2984]	___/___/___ . ___/___/___ . ___/___/___ . ___/___/___	WAN1 IP address (e.g., *100.100.100.100*); for one or two-digit numbers, add *0*s before the first digit
	___/___/___/___/___	WAN1 IP port (default: *10000*)
	___/___/___ . ___/___/___ . ___/___/___ . ___/___/___	WAN2 IP address
	___/___/___/___/___	WAN2 IP port
	___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___	IP password (e.g., *123456*)
	___/___	IP profile (e.g., *01*)
[2985]	To register IP/GPRS module, press **ARM**	

Worksheet 33: IP Receiver 2 Configuration

Section	Data	Description
[2986]	___/___/___ . ___/___/___ . ___/___/___ . ___/___/___	WAN1 IP address (e.g., *100.100.100.100*); for one or two-digit numbers, add *0*s before the first digit
	___/___/___/___/___	WAN1 IP port (default: *10000*)
	___/___/___ . ___/___/___ . ___/___/___ . ___/___/___	WAN2 IP address
	___/___/___/___/___	WAN2 IP port
	___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___	IP password (e.g., *123456*)
	___/___	IP profile (e.g., *01*)
[2987]	To register IP/GPRS module, press **ARM**	

Worksheet 34: IP Receiver 3 Configuration

Section	Data	Description
[2988]	___/___/___ . ___/___/___ . ___/___/___ . ___/___/___	WAN1 IP address (e.g., *100.100.100.100*); for one or two-digit numbers, add *0*s before the first digit
	___/___/___/___/___	WAN1 IP port (default: *10000*)
	___/___/___ . ___/___/___ . ___/___/___ . ___/___/___	WAN2 IP address
	___/___/___/___/___	WAN2 IP port
	___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___	IP password (e.g., *123456*)
	___/___	IP profile (e.g., *01*)
[2989]	To register IP/GPRS module, press **ARM**	

Worksheet 35: IP Receiver 4 Configuration

Section	Data	Description
[2990]	___/___/___ . ___/___/___ . ___/___/___ . ___/___/___	WAN1 IP address (e.g., *100.100.100.100*); for one or two-digit numbers, add *0*s before the first digit
	___/___/___/___/___	WAN1 IP port (default: *10000*)
	___/___/___ . ___/___/___ . ___/___/___ . ___/___/___	WAN2 IP address
	___/___/___/___/___	WAN2 IP port
	___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___	IP password (e.g., *123456*)
	___/___	IP profile (e.g., *01*)
[2991]	To register IP/GPRS module, press **ARM**	

IP Module/PCS Module Report Code Programming

Worksheet 36: PCS Module Report Codes

Section	Data	Description
[2967]	___/___	Missing PCS module
	___/___	Missing PCS module restore
	___/___	PCS tamper
	___/___	PCS tamper restore
[2968]	___/___	GSM RF jam
	___/___	GSM RF jam restore
	___/___	GSM no service
	___/___	GSM no service restore
[2969]	___/___	Fail to communicate IPR512 1
	___/___	Fail to communicate IPR512 1 restore
	___/___	Fail to communicate IPR512 2
	___/___	Fail to communicate IPR512 2 restore
[2970]	___/___	Fail to communicate IPR512 3
	___/___	Fail to communicate IPR512 3 restore
	___/___	Fail to communicate IPR512 4
	___/___	Fail to communicate IPR512 4 restore

Worksheet 37: IP Module Report Codes

Section	Data	Description
[2992]	___/___	Missing IP module
	___/___	Missing IP Restore
	___/___	IP no service
	___/___	IP no service restore
[2993]	___/___	Fail to communicate IPR512 1
	___/___	Fail to communicate IPR512 1 restore
	___/___	Fail to communicate IPR512 2
	___/___	Fail to communicate IPR512 2 restore
[2994]	___/___	Fail to communicate IPR512 3
	___/___	Fail to communicate IPR512 3 restore
	___/___	Fail to communicate IPR512 4
	___/___	Fail to communicate IPR512 4 restore

Partition Settings

Use the following section to program the various partitions on your EVOHD system. Use worksheet 38 to 44 to record your settings.

Worksheet 38: Partition Label Settings for Sections [3100] to [3800]

Section	Partition Label	Partition #
[3100]	__/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___	1
[3200]	__/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___	2
[3300]	__/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___	3
[3400]	__/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___	4
[3500]	__/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___	5
[3600]	__/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___	6
[3700]	__/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___	7
[3800]	__/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___	8

Auto-arm Times

Worksheet 39: Auto-arm Time Settings

Section	Data (Hours 00-23; Minutes (00-59)	Partition #	Section	Data (Hours 00-23; Minutes (00-59)	Partition #
[3101]	__/___ : __/___	1	**[3501]**	__/___ : __/___	5
[3201]	__/___ : __/___	2	**[3601]**	__/___ : __/___	6
[3301]	__/___ : __/___	3	**[3701]**	__/___ : __/___	7
[3401]	__/___ : __/___	4	**[3801]**	__/___ : __/___	8

Arming/Disarming Report Schedules

Worksheet 40: Arming Report Schedule Settings

Section	Partition #	Schedule	Interval	Start Time (From)	End Time (To)	Days of the Week (Turn ON or OFF)							
						S	M	T	W	T	F	S	H
[3102]	1	001	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
			Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
[3202]	2	002	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
			Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
[3302]	3	003	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
			Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
[3402]	4	004	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
			Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
[3502]	5	005	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
			Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
[3602]	6	006	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
			Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
[3702]	7	007	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
			Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
[3802]	8	008	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
			Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8

NOTE: If a partition is armed outside a schedule, the panel will send an *Early to Close* **[3916]** and/or *Late to Close* **[3917]** report code (see worksheet 45 on page 54).

Worksheet 41: Disarming Report Schedule Settings

Section	Partition #	Schedule	Interval	Start Time (From)	End Time (To)	Days of the Week (Turn ON or OFF)							
						S	M	T	W	T	F	S	H
[3103]	1	001	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
			Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
[3203]	2	002	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
			Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
[3303]	3	003	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
			Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
[3403]	4	004	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
			Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
[3503]	5	005	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
			Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
[3603]	6	006	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
			Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
[3703]	7	007	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
			Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
[3803]	8	008	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
			Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8

NOTE: If partition is disarmed outside schedule, panel will send an *Early to Open* **[3926]** and/or *Late to Open* **[3927]** report code (see worksheet 45 on page 54).

Partition Timers

Worksheet 42: Partition Timer Settings

Description (Decimal Values from 000 to 255)	Partition 1 Section	Data	Partition 2 Section	Data	Partition 3 Section	Data	Partition 4 Section	Data	Partition 5 Section	Data	Partition 6 Section	Data	Partition 7 Section	Data	Partition 8 Section	Data
Arming/disarming schedule tolerance window (Data x 1 min.; default: 000)	[3104]	__/__/__	[3204]	__/__/__	[3304]	__/__/__	[3404]	__/__/__	[3504]	__/__/__	[3604]	__/__/__	[3704]	__/__/__	[3804]	__/__/__
Number of invalid codes before lockout (Data x 1 attempt; default: 005)	[3105]	__/__/__	[3205]	__/__/__	[3305]	__/__/__	[3405]	__/__/__	[3505]	__/__/__	[3605]	__/__/__	[3705]	__/__/__	[3805]	__/__/__
Keypad lockout duration (Data x 1 min., Report only: 000; Default: 015)	[3106]	__/__/__	[3206]	__/__/__	[3306]	__/__/__	[3406]	__/__/__	[3506]	__/__/__	[3606]	__/__/__	[3706]	__/__/__	[3806]	__/__/__
No movement timer (Data x 5 min.; Default: disabled)	[3107]	__/__/__	[3207]	__/__/__	[3307]	__/__/__	[3407]	__/__/__	[3507]	__/__/__	[3607]	__/__/__	[3707]	__/__/__	[3807]	__/__/__
Exit delay timer (Data x 1 sec.; Default: 060 sec.)	[3108]	__/__/__	[3208]	__/__/__	[3308]	__/__/__	[3408]	__/__/__	[3508]	__/__/__	[3608]	__/__/__	[3708]	__/__/__	[3808]	__/__/__
Recent closing delay (Data x 1 sec.; Default: disabled)	[3109]	__/__/__	[3209]	__/__/__	[3309]	__/__/__	[3409]	__/__/__	[3509]	__/__/__	[3609]	__/__/__	[3709]	__/__/__	[3809]	__/__/__
Intellizone delay (Data x 1 sec.; default: 032 sec.)	[3110]	__/__/__	[3210]	__/__/__	[3310]	__/__/__	[3410]	__/__/__	[3510]	__/__/__	[3610]	__/__/__	[3710]	__/__/__	[3810]	__/__/__
Entry delay 1 (Data x 1 sec.; default: 030 sec.)	[3111]	__/__/__	[3211]	__/__/__	[3311]	__/__/__	[3411]	__/__/__	[3511]	__/__/__	[3611]	__/__/__	[3711]	__/__/__	[3811]	__/__/__
Entry delay 2 (Data x 1 sec.; Default: 060 sec.)	[3112]	__/__/__	[3212]	__/__/__	[3312]	__/__/__	[3412]	__/__/__	[3512]	__/__/__	[3612]	__/__/__	[3712]	__/__/__	[3812]	__/__/__
Bell cut-off timer (Data x 1 min.; Default: 4 min.)	[3113]	__/__/__	[3213]	__/__/__	[3313]	__/__/__	[3413]	__/__/__	[3513]	__/__/__	[3613]	__/__/__	[3713]	__/__/__	[3813]	__/__/__
Auto zone shutdown (000 to 015 alarms; default: disabled)	[3114]	__/__/__	[3214]	__/__/__	[3314]	__/__/__	[3414]	__/__/__	[3514]	__/__/__	[3614]	__/__/__	[3714]	__/__/__	[3814]	__/__/__
Maximum number of zones that can be bypassed (Data x 1 zone; Default: unlimited)	[3115]	__/__/__	[3215]	__/__/__	[3315]	__/__/__	[3415]	__/__/__	[3515]	__/__/__	[3615]	__/__/__	[3715]	__/__/__	[3815]	__/__/__
Recycle delay (Data x 1 min.; Default: disabled)	[3116]	__/__/__	[3216]	__/__/__	[3316]	__/__/__	[3416]	__/__/__	[3516]	__/__/__	[3616]	__/__/__	[3716]	__/__/__	[3816]	__/__/__
Number of recycles (Data x 1 attempt; Default: unlimited)	[3117]	__/__/__	[3217]	__/__/__	[3317]	__/__/__	[3417]	__/__/__	[3517]	__/__/__	[3617]	__/__/__	[3717]	__/__/__	[3817]	__/__/__
Police code timer (Data x 1 min.; Default: disabled)	[3118]	__/__/__	[3218]	__/__/__	[3318]	__/__/__	[3418]	__/__/__	[3518]	__/__/__	[3618]	__/__/__	[3718]	__/__/__	[3818]	__/__/__
Closing delinquency timer (Data x 1 day; Default: disabled)	[3119]	__/__/__	[3219]	__/__/__	[3319]	__/__/__	[3419]	__/__/__	[3519]	__/__/__	[3619]	__/__/__	[3719]	__/__/__	[3819]	__/__/__
Postpone auto-arm delay (Data x 15 min.; Default: 0)	[3120]	__/__/__	[3220]	__/__/__	[3320]	__/__/__	[3420]	__/__/__	[3520]	__/__/__	[3620]	__/__/__	[3720]	__/__/__	[3820]	__/__/__

Partition Options 1

Table 37: Description of sections [3121] to [3821]

Section	Option	Description	OFF		ON	
Partition 1 Section [3121]	1	Switch to Stay arm (if no delay zone is opened)	◄	Disabled	☐	Enabled
	2	Arm/disarm with partition 2	◄	Disabled	☐	Enabled
	3	Arm/disarm with partition 3	◄	Disabled	☐	Enabled
	4	Arm/disarm with partition 4	◄	Disabled	☐	Enabled
	5	Arm/disarm with partition 5	◄	Disabled	☐	Enabled
	6	Arm/disarm with partition 6	◄	Disabled	☐	Enabled
	7	Arm/disarm with partition 7	◄	Disabled	☐	Enabled
	8	Arm/disarm with partition 8	◄	Disabled	☐	Enabled
Partition 2 Section [3221]	1	Arm/disarm with partition 1	◄	Disabled	☐	Enabled
	2	Switch to Stay arm (if no delay zone is opened)	◄	Disabled	☐	Enabled
	3	Arm/disarm with partition 3	◄	Disabled	☐	Enabled
	4	Arm/disarm with partition 4	◄	Disabled	☐	Enabled
	5	Arm/disarm with partition 5	◄	Disabled	☐	Enabled
	6	Arm/disarm with partition 6	◄	Disabled	☐	Enabled
	7	Arm/disarm with partition 7	◄	Disabled	☐	Enabled
	8	Arm/disarm with partition 8	◄	Disabled	☐	Enabled

Section	Option	Description	OFF		ON
Section [3321] Partition 3	1	Arm/disarm with partition 1	▲ Disabled	☐	Enabled
	2	Arm/disarm with partition 2	▲ Disabled	☐	Enabled
	3	Switch to Stay arm (if no delay zone is opened)	▲ Disabled	☐	Enabled
	4	Arm/disarm with partition 4	▲ Disabled	☐	Enabled
	5	Arm/disarm with partition 5	▲ Disabled	☐	Enabled
	6	Arm/disarm with partition 6	▲ Disabled	☐	Enabled
	7	Arm/disarm with partition 7	▲ Disabled	☐	Enabled
	8	Arm/disarm with partition 8	▲ Disabled	☐	Enabled
Section [3521] Partition 5	1	Arm/disarm with partition 1	▲ Disabled	☐	Enabled
	2	Arm/disarm with partition 2	▲ Disabled	☐	Enabled
	3	Arm/disarm with partition 3	▲ Disabled	☐	Enabled
	4	Arm/disarm with partition 4	▲ Disabled	☐	Enabled
	5	Switch to Stay arm (if no delay zone is opened)	▲ Disabled	☐	Enabled
	6	Arm/disarm with partition 6	▲ Disabled	☐	Enabled
	7	Arm/disarm with partition 7	▲ Disabled	☐	Enabled
	8	Arm/disarm with partition 8	▲ Disabled	☐	Enabled
Section [3721] Partition 7	1	Arm/disarm with partition 1	▲ Disabled	☐	Enabled
	2	Arm/disarm with partition 2	▲ Disabled	☐	Enabled
	3	Arm/disarm with partition 3	▲ Disabled	☐	Enabled
	4	Arm/disarm with partition 4	▲ Disabled	☐	Enabled
	5	Arm/disarm with partition 5	▲ Disabled	☐	Enabled
	6	Arm/disarm with partition 6	▲ Disabled	☐	Enabled
	7	Switch to Stay arm (if no delay zone is opened)	▲ Disabled	☐	Enabled
	8	Arm/disarm with partition 8	▲ Disabled	☐	Enabled

Section	Option	Description	OFF		ON
Section [3421] Partition 4	1	Arm/disarm with partition 1	▲ Disabled	☐	Enabled
	2	Arm/disarm with partition 2	▲ Disabled	☐	Enabled
	3	Arm/disarm with partition 3	▲ Disabled	☐	Enabled
	4	Switch to Stay arm (if no delay zone is opened)	▲ Disabled	☐	Enabled
	5	Arm/disarm with partition 5	▲ Disabled	☐	Enabled
	6	Arm/disarm with partition 6	▲ Disabled	☐	Enabled
	7	Arm/disarm with partition 7	▲ Disabled	☐	Enabled
	8	Arm/disarm with partition 8	▲ Disabled	☐	Enabled
Section [3621] Partition 6	1	Arm/disarm with partition 1	▲ Disabled	☐	Enabled
	2	Arm/disarm with partition 2	▲ Disabled	☐	Enabled
	3	Arm/disarm with partition 3	▲ Disabled	☐	Enabled
	4	Arm/disarm with partition 4	▲ Disabled	☐	Enabled
	5	Arm/disarm with partition 5	▲ Disabled	☐	Enabled
	6	Switch to Stay arm (if no delay zone is opened)	▲ Disabled	☐	Enabled
	7	Arm/disarm with partition 7	▲ Disabled	☐	Enabled
	8	Arm/disarm with partition 8	▲ Disabled	☐	Enabled
Section [3821] Partition 8	1	Arm/disarm with partition 1	▲ Disabled	☐	Enabled
	2	Arm/disarm with partition 2	▲ Disabled	☐	Enabled
	3	Arm/disarm with partition 3	▲ Disabled	☐	Enabled
	4	Arm/disarm with partition 4	▲ Disabled	☐	Enabled
	5	Arm/disarm with partition 5	▲ Disabled	☐	Enabled
	6	Arm/disarm with partition 6	▲ Disabled	☐	Enabled
	7	Arm/disarm with partition 7	▲ Disabled	☐	Enabled
	8	Switch to Stay arm (if no delay zone is opened)	▲ Disabled	☐	Enabled

▲ = Default

Partition Arming/Disarming Options

Table 38: Description of partition arming/disarming options

Option	Description	Partition 1 [3122]		Partition 2 [3222]		Partition 3 [3322]		Partition 4 [3422]		Partition 5 [3522]		Partition 6 [3622]		Partition 7 [3722]		Partition 8 [3822]	
		OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON
1	Timed auto-arming	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
2	*No Movement* auto-arming	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
3	Arming method for auto arm (OFF = Force arming; ON = Stay arming)	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
4	Exit delay termination	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲
5	Future use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Future use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Future use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Follow zone switches to *Entry Delay 2*, when delay zone is bypassed	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲

▲ = Default

Partition Panic Alarm Options

Table 39: Description of partition panic alarm options

Option	Description	Partition 1 [3123]		Partition 2 [3223]		Partition 3 [3323]		Partition 4 [3423]		Partition 5 [3523]		Partition 6 [3623]		Partition 7 [3723]		Partition 8 [3823]	
		OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON
1	Panic 1 (K641/K641+/641R/K641LX: keys 1 & 3; K656: [♡])	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
2	Panic 2 (K641/K641+/641R/K641LX: keys 4 & 6; K656: [△])	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
3	Panic 3 (K641/K641+/641R/K641LX: keys 7 & 9; K656: [⌂])	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
4	Panic 1 alarm type (OFF = report only; ON = audible alarm)	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
5	Panic 2 alarm type (OFF = report only; ON = audible alarm)	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
6	Panic 3 alarm type (OFF = report only; ON = fire alarm)	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
7	Always report disarming (OFF = always; ON = only after alarm)	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
8	Auto-force on regular arming	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□

▲ = Default

Partition Bell Squawk Options

Table 40: Description of partition bell squawk options

Option	Description	Partition 1 [3124]		Partition 2 [3224]		Partition 3 [3324]		Partition 4 [3424]		Partition 5 [3524]		Partition 6 [3624]		Partition 7 [3724]		Partition 8 [3824]	
		OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON
1	Bell squawk upon disarming	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
2	Bell squawk upon arming	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
3	Bell squawk upon auto-arming	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
4	Bell squawk during exit delay	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
5	Bell squawk during entry delay	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
6	Bell squawk upon remote arming/disarming	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲
7	Ring back: bell squawk if disarmed after alarm	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
8	Ring back: keypad beeps if disarmed after alarm	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲

▲ = Default

Partition One-touch Options

Table 41: Description of partition one-touch options

Option	Description	Partition 1 [3125]		Partition 2 [3225]		Partition 3 [3325]		Partition 4 [3425]		Partition 5 [3525]		Partition 6 [3625]		Partition 7 [3725]		Partition 8 [3825]	
		OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	ON
1	One-touch regular arming	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
2	One-touch Stay arming	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
3	One-touch Instant arming	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
4	One-touch Force arming	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
5	One-touch Stay or Instant disarming	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
6	One-touch bypass programming	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
7	One-touch event display	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
8	No exit delay when arming with remote control	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲

▲ = Default

If a keypad is assigned to more than one partition, the one-touch feature must be enabled in all the keypad's assigned partitions. For instance, to enable the one-touch Regular Arming feature of a keypad assigned to partitions 1, 2, and 5, enable option 1 of sections [3125], [3225], and [3525].

Partition Special Options

Table 42: Description of partition special options

Option	Description	Partition 1 [3126]		Partition 2 [3226]		Partition 3 [3326]		Partition 4 [3426]		Partition 5 [3526]		Partition 6 [3626]		Partition 7 [3726]		Partition 8 [3826]	
		OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	ON
1	Intellizone delay	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲
2	Intellizone double knockout and zone crossing	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲
3	Intellizone zone crossing	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲
4	Auto-force on Stay arming	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
5	Police code is generated on zone crossing only	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
6	Future use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Future use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Future use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

▲ = Default

Partition Arming/Disarming Event Call Direction

Table 43: Description of partition arming/disarming event call direction

Option	Description	Partition 1 [3127]		Partition 2 [3227]		Partition 3 [3327]		Partition 4 [3427]		Partition 5 [3527]		Partition 6 [3627]		Partition 7 [3727]		Partition 8 [3827]	
		OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	ON	ON	ON	ON	ON	ON
1	Call telephone number 1/IP receiver 1	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲
2	Call telephone number 2/IP receiver 2	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
3	Call telephone number 3/IP receiver 3	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
4	Call telephone number 4/IP receiver 4	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
5	Backup on telephone number 1/IP receiver 1	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
6	Backup on telephone number 2/IP receiver 2	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
7	Backup on telephone number 3/IP receiver 3	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
8	Backup on telephone number 4/IP receiver 4	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□

▲ = Default

NOTE: Enable only one option from options 5 to 8 (inclusive).

Partition Alarm/Alarm Restore Event Call Direction

Table 44: Description of partition alarm/alarm restore event call direction

Option	Description	Partition 1 [3128]		Partition 2 [3228]		Partition 3 [3328]		Partition 4 [3428]		Partition 5 [3528]		Partition 6 [3628]		Partition 7 [3728]		Partition 8 [3828]	
		OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON
1	Call telephone number 1/IP receiver 1	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲
2	Call telephone number 2/IP receiver 2	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
3	Call telephone number 3/IP receiver 3	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
4	Call telephone number 4/IP receiver 4	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
5	Backup on telephone number 1/IP receiver 1	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
6	Backup on telephone number 2/IP receiver 2	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
7	Backup on telephone number 3/IP receiver 3	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
8	Backup on telephone number 4/IP receiver 4	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□

▲ = Default

NOTE: Enable only one option from options 5 to 8 (inclusive).

Partition Tamper/Tamper Restore Event Call Direction

Table 45: Description of partition tamper/tamper restore event call direction

Option	Description	Partition 1 [3129]		Partition 2 [3229]		Partition 3 [3329]		Partition 4 [3429]		Partition 5 [3529]		Partition 6 [3629]		Partition 7 [3729]		Partition 8 [3829]	
		OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON
1	Call telephone number 1/IP receiver 1	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲
2	Call telephone number 2/IP receiver 2	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
3	Call telephone number 3/IP receiver 3	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
4	Call telephone number 4/IP receiver 4	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
5	Backup on telephone number 1/IP receiver 1	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
6	Backup on telephone number 2/IP receiver 2	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
7	Backup on telephone number 3/IP receiver 3	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
8	Backup on telephone number 4/IP receiver 4	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□

▲ = Default

NOTE: Enable only one option from options 5 to 8 (inclusive).

Special Arming Exit Delay

Worksheet 43: Special Arming Exit Delay Settings

Description (Decimal Values from 000 to 255)	Partition 1 Section	Partition 1 Data	Partition 2 Section	Partition 2 Data	Partition 3 Section	Partition 3 Data	Partition 4 Section	Partition 4 Data	Partition 5 Section	Partition 5 Data	Partition 6 Section	Partition 6 Data	Partition 7 Section	Partition 7 Data	Partition 8 Section	Partition 8 Data
Exit delay for special arming: auto arm, BabyWare/NEWare arming, etc. (Data x 1 sec.; default: 060)	[3130]	_/_/_	[3230]	_/_/_	[3330]	_/_/_	[3430]	_/_/_	[3530]	_/_/_	[3630]	_/_/_	[3730]	_/_/_	[3830]	_/_/_

No Movement Schedule

Worksheet 44: No Movement Schedule Settings

Section	Partition #	Interval	Start Time (From)	End Time (To)	Days of the Week (Turn ON or OFF)							
					S	M	T	W	T	F	S	H
[3131]	1	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
		Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
[3231]	2	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
		Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
[3331]	3	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
		Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
[3431]	4	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
		Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
[3531]	5	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
		Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
[3631]	6	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
		Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
[3731]	7	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
		Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
[3831]	8	Schedule A	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8
		Schedule B	__ __ : __ __	__ __ : __ __	1	2	3	4	5	6	7	8

WARNING: The *Start* and *End Time* of a schedule cannot cross over into another day. For example, to program a shift from 10 PM to 6 AM the next morning, you must program the schedule as follows: Schedule A – start time: 22:00 and end time: 23:59; then program Schedule B – start time: 00:00 and end time: 06:00. The schedule will not be interrupted between 23:59 and 00:00.

Special Report Codes

Use the following section to program the special and trouble report codes on your EVOHD system. Use worksheet 45, as well as worksheet 46 on page 55 to record your settings.
For Ademco Slow, Silent Knight Fast, Sescoa, Ademco Express, or pager formats, key-in desired two-digit hex value from 00 to FF.

Ademco Format

* Use section **[4034]** (*Special System Report Codes*), **[4035]** (*Special Arming/Disarming Report Codes*), **[4036]** (*Special Alarm Report Codes*), and **[4037]** (*Trouble/ Trouble Restore Report Codes*) to program a set of default Ademco report codes, using table 49 (*List of automatic report codes),* on page 57.
* To program the remaining report codes or change certain defaults, access the individual sections and key-in the desired two-digit hex value, found in table 50 (*List of Ademco contact ID report codes),* on page 60.

SIA Format

* Use section **[4034]** (*Special System Report Codes*), **[4035]** (*Special Arming/Disarming Report Codes*), **[4036]** (*Special Alarm Report Codes*), and **[4037]** (*Trouble/ Trouble Restore Report Codes*) to program a set of SIA report codes, using table 49 (*List of automatic report codes),* on page 57.
* Codes that have not been set to *default* can be set as such manually, by entering FF in the appropriate section.
* To disable the reporting of an event, enter **00** in the appropriate section.

Worksheet 45: Special Report Code Settings

Type	Section	Data	Description
Special System Report Codes	[3900]	__/__	Power up after total power down
	[3901]	__/__	Software reset (watchdog)
	[3902]	__/__	Test report
	[3903]	__/__	Listen-in to follow (request to start session)
	[3904]	__/__	BabyWare login request (callback only)
	[3905]	__/__	BabyWare log off
	[3906]	__/__	Installer in
	[3907]	__/__	Installer out
	[3908]	__/__	Failed to Arm
	[3909]	__/__	Future use
Special Arming Report Codes	[3910]	__/__	Auto-arming
	[3911]	__/__	PC arming
	[3912]	__/__	Late to close (Auto-arming)
	[3913]	__/__	No movement
	[3914]	__/__	Partial arming
	[3915]	__/__	Quick arming
	[3916]	__/__	Early to close (see worksheet 40 on page 48)
	[3917]	__/__	Late to close (see worksheet 40 on page 48)
	[3918]	__/__	Remote arming (ADM2, LSN4)
	[3919]	__/__	Close delinquency

Type	Section	Data	Description
Special Disarming Report Codes	[3920]	__/__	Cancel auto-arm
	[3921]	__/__	Quick disarm
	[3922]	__/__	PC disarming
	[3923]	__/__	PC disarming after alarm
	[3924]	__/__	Cancel alarm
	[3925]	__/__	Future use
	[3926]	__/__	Early to open (see worksheet 41 on page 48)
	[3927]	__/__	Late to open (see worksheet 41 on page 48)
	[3928]	__/__	Remote disarming (ADM2, LSN4)
	[3929]	__/__	Future use
Special Alarm Report Codes	[3930]	__/__	Emergency panic
	[3931]	__/__	Auxiliary panic
	[3932]	__/__	Fire panic
	[3933]	__/__	Recent closing
	[3934]	__/__	Police code
	[3935]	__/__	Zone shutdown
	[3936]	__/__	Duress
	[3937]	__/__	Keypad lockout
	[3938]	__/__	Voice lockout
	[3939]	__/__	Future use

Trouble Report Codes

Worksheet 46: Trouble Report Code Settings

Type	Section	Data	Description	Type	Section	Data	Description
	[3940]	__/__	TLM trouble		[3970]	__/__	TLM restore
		__/__	AC failure			__/__	AC failure restore
		__/__	Battery failure			__/__	Battery failure restore
		__/__	Auxiliary supply			__/__	Auxiliary supply restore
	[3941]	__/__	Bell output trouble		[3971]	__/__	Bell output trouble restore
		__/__	Clock loss			__/__	Clock loss restore
		__/__	Fire loop trouble			__/__	Fire loop trouble restore
		__/__	Panel Tamper			__/__	Panel tamper restore
	[3950]	__/__	Wireless transmitter battery low		[3980]	__/__	Wireless transmitter battery low restore
		__/__	Wireless transmitter supervision trouble			__/__	Wireless transmitter supervision trouble restore
		__/__	Future use			__/__	Future use
		__/__	Future use			__/__	Future use
	[3951]	__/__	Phone number 1 fail to communicate		[3990]	__/__	Combus fault restore
		__/__	Phone number 2 fail to communicate			__/__	Module tamper restore
		__/__	Phone number 3 fail to communicate			__/__	ROM check error restore
		__/__	Phone number 4 fail to communicate			__/__	Module TLM restore
	[3960]	__/__	Combus fault		[3991]	__/__	Module failure to communicate restore
		__/__	Module tamper			__/__	Printer fault restore
		__/__	ROM check error			__/__	Module AC failure restore
		__/__	Module TLM			__/__	Module battery failure restore
	[3961]	__/__	Module failure to communicate		[3992]	__/__	Module auxiliary failure restore
		__/__	Printer fault			__/__	Module IP Receiver supervision restore
		__/__	Module AC failure			__/__	Module IP Receiver fail to communicate restore
		__/__	Module battery failure			__/__	Module IP Receiver unregistered restore
	[3962]	__/__	Module auxiliary failure		[3993]	__/__	Direct light restore
		__/__	Module IP Receiver supervision			__/__	Module Rf Interference restore
		__/__	Module IP Receiver fail to communicate			__/__	Module low voltage restore
		__/__	Module IP Receiver unregistered			__/__	Module self-test error restore
	[3963]	__/__	Direct light		[3994]	__/__	Module LAN trouble restore
		__/__	Module Rf Interference			__/__	Module WAN trouble restore
		__/__	Module low voltage			__/__	Future use
Trouble Report Codes		__/__	Module self-test error	Trouble Restore Report Codes		__/__	Future use
	[3964]	__/__	Module LAN trouble				
		__/__	Module WAN trouble				
		__/__	Future use				
		__/__	Future use				

Additional Settings and Modes

The following section provides information on various other settings and modes applicable to your EVOHD system.

Table 46: Description of sections [4000] to [4006]

Section	Name	Description
[4000]	Display serial number of control panel and all modules connected to the combus	After entering section **[4000]**, the keypad will display the eight-digit serial number of the control panel and firmware version. For Keypads K641/K641+/K641R/K641LX and K656: use the ▲ and ▼ keys to scroll through the serial number of each module connected to the combus. The firmware version of some modules will also be displayed. For Grafica Keypads: press the center action key (*Next*) to scroll through the serial number of each module on the combus.
[4001]	Module reset	Reset a module's programmed contents to its default settings, by entering its serial number.
[4002]	Locate/unlocate module	Locate a specific module (e.g., detector, zone expander, etc.) connected to the combus, by entering the module's serial number. The green *Locate* LED on the module will flash until the serial number is re-entered, or the appropriate *Tamper* or *Unlocate* switch is pressed on the module.
[4003]	Module programming mode	Enter the serial number of the module you wish to program.
[4004]	Module broadcast	Copy the contents of all programming sections from one module, to one or more modules of the same type. Enter the serial number of the source module, followed by the serial numbers of the modules you wish to program. To begin transferring data, press **ACC** on the K641/K641+/K641R/K641LX keypads, 🖐 on the K656 keypad, or the center action key (*Start*) on Grafica keypads.
	Label broadcast	Copy user, door, and partition labels from the control panel, to all keypads and printer modules connected to the combus. To transmit the labels, enter **0 0** in section **[4004]**. From the *Destination* screen, press **ACC** on the K641/K641+/K641R/K641LX keypads, 🖐 on the K656 keypad, or the center action key (*Start*) on Grafica keypads.
[4005]	Quick module scanning	After entering the section, the control panel will scan all addresses assigned to the modules. If any missing modules are detected (i.e., detector removed from the combus), the control panel will erase the module's serial number, thus removing the module from the control panel's memory.
[4006]	Module scanning	After entering the section, the control panel will scan all addresses on the combus. If any missing modules are detected (i.e., detector removed from the combus), the control panel will erase the module's serial number, thus removing the module from the control panel's memory. If new modules are detected, the serial number will be entered in the control panel's memory.

WARNING: The module and label broadcast features will only work when a module is broadcasting its data to a module, or to modules of the same type and model number.

Automatic Report Code Programming

When using contact ID or SIA Reporting formats, default report codes can be programmed automatically. After automatic defaults are set, they can be changed and remaining report codes can be set manually.

Section	Name	Description
[4030]	All report codes reset to 00	Resets all codes from sections [0201] - [0296], [0701] - [0832], [2001] - [2199], and [3900] - [3999], to 00; sections [4031] to [4037] reset all the report codes in the following sections, to their default values.
[4031]	All report codes reset to FF	[0201] to [0296] and [0701] to [0832], [2001] to [2199], and [3900] to [3999]
[4032]	Zone alarm/alarm restore and zone tamper/tamper restore	[0201 to [0296]
[4033]	User/keyswitch arming and disarming	[0701] to [0832] and [2001] to [2199]
[4034]	Special report codes	[3900] to [3909]
[4035]	Special arming/disarming report codes	[3910] to [3929]
[4036]	Special alarm report codes	[3930] to [3939]
[4037]	Trouble and trouble restore report codes	[3940] to [3999]
[4038]	Future use	
[4039]	Sets panel default for EN 50131 compliancy	Resets all appropriate sections to be EN 50131 compliant

Software Reset

To set specific software parameters back to their initial, default values, proceed as follows:
1. Enter programming mode (see *Entering Programming Mode* on page 3 for details).
2. Enter section **[4049]** to unlock the software reset function.
3. Enter the four-digit section corresponding to the software reset you wish to perform.

If you want to reset more than one section, enter section **[4049]** to unlock the software reset function once again.

Table 47: Description of software reset sections ([4040] to [4049])

Section	Description
[4040]	Entering this section will reset all programmable sections, from **[0001]** to **[3999]**, to their factory default values.
[4041]	Entering this section will reset the system master code to 123456.
[4042]	Entering this section will reset all zone programming, including sections **[0961]** to **[0984]**, to their default values.
[4043]	Entering this section will reset all access control sections, from **[2201]** to **[2712]** (excluding door labels), to their default values.
[4044]	Entering this section will reset all user code sections, from **[1001]** to **[1999]** and **[2001]** to **[2199]**, to their default values.
[4045]	Entering this section will reset programming of all dialer sections (**[3051]** to **[3081]**), VDMP3 sections (**[3087]** to **[3098]**), and control panel sections (**[3020]** to **[3043]** and **[3900]** to **[3991]**), to their default values.
[4046]	Entering this section will reset all partition sections, from **[3101]** to **[3833]** (excluding partition labels), to their default values.
[4047]	Entering this section will reset programming of all PGM sections (**[0901]** to **[0959]**) and all keyswitch sections (**[0501]** to **[0632]**), as well as all keyswitch arming/disarming report code sections (**[0701]** to **[0832]**), to their default values.
[4048]	Entering this section will clear all user labels, door labels, partition labels, module labels, and zone labels, from sections **[0301]** to **[0396]**.
[4049]	Entering this section will unlock software reset for sections **[4039]** to **[4048]**.

Installer Function Keys

To access the installer functions, press and hold **0**, enter the installer code, and then:
- For keypads K641/K641+/K641R/K641LX and K656: press the key indicated in table 48, that corresponds to the function you wish to activate.
- For Grafica keypads: press the center action key (*Options*), highlight the desired function, and then press the center action key (*Ok*).

Table 48: Description of installer functions for the K641/K641+/K641R/K641LX and K656 keypads

Function	Description	K641/K641+/K641R/K641LX	K656
Test report	Sends the *Test Report* report code programmed in section **[3902]**, to the monitoring station.	STAY	STAY
Call BabyWare software	Will dial the PC telephone number programmed in section **[3010]**, to initiate communication with a computer using the BabyWare software.	FORCE	SLEEP
Answer BabyWare software	Will force the control panel to answer a call made by the monitoring station, which is using the BabyWare software.	ARM	ARM
Cancel communication	Cancels all communication with the BabyWare software or with the monitoring station, until the next reportable event.	DISARM	OFF
Installer test mode	This mode allows you to perform walk tests, where the bell or siren will squawk to indicate opened zones. To exit, press **MEM** (for K641/K641+/K641R/K641LX) or ⬚ (for K656). Partitions cannot be armed if the installer test mode is enabled.	MEM	⬚
Start module scan	The keypad will display the serial number of each module on the combus.	TRBL	⚠
Combus voltmeter	To verify if the combus is supplying sufficient power, press and hold **0**, enter the installer code, and press either **ACC** or 🔥, depending on the type of keypad. A reading of 12.3V or lower, at the panel's service keypad connector, indicates that the voltage is too low. The voltage may drop during the control panel battery test.	ACC	🔥

Automatic Report Codes

Table 49: List of automatic report codes

System Event	Default Contact ID Report Code (when using sections [4032] to [4037])		Default SIA Report Code (when using sections [4032] to [4037])	
Arming with master code (##)	3 4A1	Close by user	CL	Closing report
Arming with user code (##)	3 4A1	Close by user	CL	Closing report
Arming with keyswitch (##)	3 4A9	Keyswitch close	CS	Closing keyswitch
Auto arming	3 4A3	Automatic close	CA	Automatic closing
Arm with PC software	3 4A7	Remote arm/disarm	CQ	Remote arming
Late to close	3 452	Late to close	OT	Late to close
No movement	3 452	Late to close	NA	No movement arming
Partial arming	1 456	Partial arm	CG	Close area
Quick arming	3 4A8	Quick arm	CL	Closing report
Remote arm (voice)	3 4A7	Remote arm	CQ	Arm with voice module
Delinquency closing	1 654	System inactivity	CD	System inactivity
Disarm with master code (##)	1 4A1	Open by user	OP	Opening report
Disarm with user code (##)	1 4A1	Open by user	OP	Opening report
Disarm with keyswitch (##)	1 4A9	Keyswitch open	OS	Opening keyswitch
Disarm after alarm with master code (##)	1 4A1	Open by user	OP	Opening report
Disarm after alarm with user code (##)	1 4A1	Open by user	OP	Opening report
Disarm after alarm with keyswitch (##)	1 4A9	Keyswitch open	OS	Opening keyswitch
Cancel alarm with master code (##)	1 4A6	Cancel	OR	Disarm from alarm
Cancel alarm with user code (##)	1 4A6	Cancel	OR	Disarm from alarm
Cancel alarm with keyswitch (##)	1 4A6	Cancel	OS	Opening keyswitch
Auto arming cancellation	1 464	Auto-arm time extended	CE	Closing extend
Cancel alarm with PC software	1 4A6	Cancel	OR	Disarm from alarm
Voice disarm	1 4A7	Remote arm/disarm	OQ	Remote disarming
Disarm with PC software	1 4A7	Remote arm/disarm	OQ	Remote disarming
Disarm after an alarm with PC software	1 4A7	Remote arm/disarm	OQ	Remote disarming
Quick disarm	1 4A8	Quick disarm	OP	Opening report
Zone Bypassed (##)	1 57A	Zone bypass	UB	Untyped zone bypass
Zone alarm (##)	1 13A	Burglary alarm	BA	Burglary alarm
Fire alarm (##)	1 11A	Fire alarm	FA	Fire alarm
Early to Disarm by User	1 451	Early to open	OK	Early to open
Late to Disarm by User	1 452	Late to open	OJ	Late to open
Failed to arm	1 454	Failed to close	CI	Failed to close
Zone alarm restore (##)	3 13A	Burglary alarm restore	BH	Burglary alarm restore
Fire alarm restore (##)	3 11A	Fire alarm restore	FH	Fire alarm restore
24-hr Gas alarm (##)	1 13A	Burglary alarm	GA	Gas alarm
24-hr Heat alarm (##)	1 13A	Burglary alarm	KA	Heat alarm
24-hr Water alarm (##)	1 13A	Burglary alarm	WA	Water alarm
24-hr Freeze alarm (##)	1 13A	Burglary alarm	ZA	Freeze alarm
24-hr Gas alarm restore (##)	3 13A	Burglary alarm restore	GR	Gas alarm restore
24-hr Heat alarm restore (##)	3 13A	Burglary alarm restore	KR	Heat alarm restore
24-hr Water alarm restore (##)	3 13A	Burglary alarm restore	WR	Water alarm restore
24-hr Freeze alarm restore (##)	3 13A	Burglary alarm restore	ZR	Freeze alarm restore
Panic 1: emergency	1 12A	Panic alarm	PA	Panic alarm
Panic 2: medical	1 1AA	Medical alarm	MA	Medical alarm
Panic 3: fire	1 115	Pull station	FA	Fire alarm
Recent closing	3 459	Recent close	CR	Recent closing
Police code	1 139	Burglary alarm	BM	Burglary alarm
Global zone shutdown	1 574	Group bypass	CG	Close area

Table 49: List of automatic report codes (Continued)

System Event	Default Contact ID Report Code (when using sections [4032] to [4037])		Default SIA Report Code (when using sections [4032] to [4037])	
Duress alarm	1 121	Duress	HA	Hold-up alarm
Zone shutdown (##)	1 57A	Zone bypass	UB	Untyped zone bypass
Zone tampered (##)	1 144	Sensor tamper	TA	Tamper alarm
Zone tamper restore (##)	3 144	Sensor tamper restore	TR	Tamper restoral
Keypad lockout	1 421	Access denied	JA	User code tamper
AC failure	1 3A1	AC loss	AT	AC trouble
Battery failure	1 3A9	Battery test failure	YT	System battery trouble
Auxiliary supply trouble	1 3AA	System trouble	YP	Power supply trouble
Bell output current limit	1 321	Bell 1	YA	Bell fault
Bell absent	1 321	Bell 1	YA	Bell fault
Clock lost	1 626	Time/date inaccurate	JT	Time changed
Fire loop trouble	1 373	Fire trouble	FT	Fire trouble
Panel tamper	1 144	Sensor tamper	TA	Tamper alarm
TLM trouble restore	3 351	Telco 1 fault restore	LR	Phone line restoral
AC failure restore	3 3A1	AC loss restore	AR	AC restoral
Battery failure restore	3 3A9	Battery test restore	YR	System battery restoral
Auxiliary supply trouble restore	3 3AA	System trouble restore	YQ	Power supply restored
Bell output current limit restore	3 321	Bell 1 restore	YH	Bell restored
Bell absent restore	3 321	Bell 1 restore	YH	Bell restored
Clock programmed	3 625	Time/date reset	JT	Time changed
Fire loop trouble restore	3 373	Fire trouble restore	FJ	Fire trouble restore
Panel tamper restore	1 373	Sensor tamper restore	FT	Tamper restoral
Combus fault	1 333	Expansion module failure	ET	Expansion trouble
Module tamper	1 145	Expansion module tamper	TA	Tamper alarm
Module ROM_RAM_error	1 3A4	ROM checksum bad	YF	Parameter checksum fail
Module TLM trouble	1 352	Telco 2 fault	LT	Phone line trouble
Module fail to communicate to monitoring station	1 354	Fail to communicate	YC	Communication fails
Printer fault	1 336	Local printer failure	VT	Printer trouble
Module AC failure	1 3A1	AC loss	AT	AC trouble
Module battery failure	1 3A9	Battery test failure	YT	System battery trouble
Module auxiliary supply trouble	1 3AA	System trouble	YP	Power supply trouble
Module IP receiver supervision	-	-	-	-
Module IP receiver fail to communicate	-	-	-	-
Module IP receiver unregistered	-	-	-	-
Direct light	-	-	-	-
Module Rf Interference	1 344	RF receiver Jam	XQ	RF Jamming
Module low voltage	-	-	-	-
Module self-test error	-	-	-	-
Module LAN trouble	-	-	-	-
Module WAN trouble	-	-	-	-
Combus fault restore	3 333	Expansion module failure restore	ER	Expansion restoral
Panel tamper restore	3144	Sensor tamper restore	TR	Tamper Restoral
Module tamper restore	3 145	Expansion module tamper restore	TR	Tamper restoral
Module ROM_RAM_error restore	3 3A4	ROM checksum bad restore	YG	Parameter changed
Module TLM restore	3 352	Telco 2 fault restore	LR	Phone line restoral
Early to arm by user	3 451	Early to close	CK	Early to close
Late to arm by user	3 452	Late to close	CJ	Late to close
Zone excluded on Force arming	1 57A	Zone bypass	XW	Zone forced
Zone went back to arm status	3 57A	Zone bypass restore	UU	Zone included

Table 49: List of automatic report codes (Continued)

System Event	Default Contact ID Report Code (when using sections [4032] to [4037])		Default SIA Report Code (when using sections [4032] to [4037])	
Printer fault restore	3 336	Local printer failure restore	VR	Printer restore
Module AC restore	3 3A1	AC loss restore	AR	AC restoral
Module battery restore	3 3A9	Battery test failure restore	YR	System battery restoral
Module auxiliary supply restore	3 3AA	System trouble restore	YQ	Power supply restored
Module IP receiver supervision restore	-	-	-	-
Module IP receiver fail to communicate restore	-	-	-	-
Module IP receiver unregistered restore	-	-	-	-
Direct light restore	-	-	-	-
Module Rf Interference restore	3 344	RF receiver Jam restore	XH	RF Jamming restoral
Module low voltage restore	-	-	-	-
Module self-test error restore	-	-	-	-
Module LAN trouble restore	-	-	-	-
Module WAN trouble restore	-	-	-	-
Fail to communicate with monitoring station	1 354	Fail to communicate	YC	Communication fails
Module RF low battery	1 384	RF transmitter low battery	XT	Transmitter battery trouble
Module RF supervision trouble	1 381	Loss of supervision - RF	US	Untype zone supervision
Module RF battery restore	3 384	RF transmitter battery restore	XR	Transmitter battery restoral
Module RF supervision restore	3 381	Supervision restore - RF	UR	Untyped zone restoral
Cold start	1 3A8	System shutdown	RR	Power up
Warm start	1 3A5	System reset	YW	Watchdog reset
Test report engaged	1 6A2	Periodic test report	TX	Test report
Listen-in request	1 606	Listen-in to follow	LF	Listen-in to follow
BabyWare login request	1 411	Call back Request	RB	Remote program begin
PC software communication finished	1 412	Successful - download access	RS	Remote program success
Installer on site	1 627	Program mode entry	LB	Local program
Installer programming finished	1 628	Program mode exit	LS	Local program success
Module fail to communicate restore	3 354	Fail to communicate restore	YK	Communication restore
Missing PCS module	1 552	Radio transmitter disabled	YS	Communication trouble
GSM RF jam	1 552	Radio transmitter disabled	YS	Communication trouble
GSM no service	1 552	Radio transmitter disabled	YS	Communication trouble
GPRS FTC IPR512	1 354	Fail to communicate	YA	Communication fails
Missing IP module	1 552	Radio transmitter disabled	YS	Communication trouble
IP no service	1 552	Radio transmitter disabled	YS	Communication trouble
IP150 FTC IPR512	1 354	Fail to communicate	YA	Communication fails
Missing PCS module restore	3 552	Radio transmitter restore	YK	Communication restore
GSM RF jam restore	3 552	Radio transmitter restore	YK	Communication restore
GPRS FTC IPR512 restore	3 354	Fail to communicate restore	YK	Communication restore
Missing IP module restore	3 552	Radio transmitter restore	YK	Communication restore
IP no service restore	3 552	Radio transmitter restore	YK	Communication restore
IP150 FTC IPR512 restore	3 354	Fail to communicate restore	YK	Communication restore

NOTE: Items with a dash "-" indicates there is no report code by default.

Contact ID Report Codes

If using the Ademco contact ID format, enter the two-digit hexadecimal value (under the column heading *Value* in table 50) to program the desired report codes into sections **[0201]** to **[0296]**, **[0701]** to **[0832]**, **[2001]** to **[2199]**, and **[3900]** to **[3999]**.

Table 50: List of Ademco contact ID report codes

Type	CID #	Reporting Code	Value
Medical Alarms (100)	100	Medical alarm	01
	101	Personal emergency	02
	102	Fail to report in	03
Fire Alarms (110)	110	Fire Alarm	04
	111	Smoke	05
	112	Combustion	06
	113	Water Flow	07
	114	Heat	08
	115	Pull Station	09
	116	Duct	0A
	117	Flame	0B
	118	Near Alarm	0C
Panic Alarms (120)	120	Panic alarm	0D
	121	Duress	0E
	122	Silent	0F
	123	Audible	10
	124	Duress - access granted	11
	125	Duress - egress granted	12
Burglar Alarms (130)	130	Burglary	13
	131	Perimeter	14
	132	Interior	15
	133	24-hour	16
	134	Entry/exit	17
	135	Day/night	18
	136	Outdoor	19
	137	Tamper	1A
	138	Near alarm	1B
	139	Intrusion verifier	1C
General Alarms (140)	140	General alarm	1D
	141	Polling loop open	1E
	142	Polling loop short	1F
	143	Extension module failure	20
	144	Sensor tamper	21
	145	Expansion module tamper	22
	146	Silent burglary	23
	147	Sensor supervision failure	24

Table 50: List of Ademco contact ID report codes

Type	CID #	Reporting Code	Value
24-hour Non-burglary (150 & 160)	150	24-hour non-burglary	25
	151	Gas detected	26
	152	Refrigeration	27
	153	Loss of heat	28
	154	Water leakage	29
	155	Foil break	2A
	156	Day trouble	2B
	157	Low bottled gas level	2C
	158	High temperature	2D
24-hour Non-burglary (150 & 160) (cont.)	159	Low temperature	2E
	161	Loss of air flow	2F
	162	Carbon monoxide detected	30
	163	Tank level	31
Fire Supervisory (200)	200	Fire supervisory	32
	201	Low water pressure	33
	202	Low CO2	34
	203	Gate valve sensor	35
	204	Low water level	36
	205	Pump activated	37
	206	Pump failure	38
System Troubles (300 & 310)	300	System trouble	39
	301	AC loss	3A
	302	Low system battery	3B
	303	RAM checksum bad	3C
	304	ROM checksum bad	3D
	305	System reset	3E
	306	Panel program changed	3F
	307	Self-test failure	40
	308	System shutdown	41
	309	Battery test failure	42
	310	Ground fault	43
	311	Battery missing/dead	44
	312	Power supply over current	45
	313	Engineer reset	46
Sounder/Relay Troubles (320)	320	Sounder relay	47
	321	Bell 1	48
	322	Bell 2	49
	323	Alarm relay	4A
	324	Trouble relay	4B
	325	Reversing relay	4C
	326	Notification appliance chk. #3	4D
	327	Notification appliance chk. #4	4E

Table 50: List of Ademco contact ID report codes

Type	CID #	Reporting Code	Value
System Peripheral Troubles (330 & 340)	330	System peripheral	4F
	331	Polling loop open	50
	332	Polling loop short	51
	333	Expansion module failure	52
	334	Repeater failure	53
	335	Local printer paper out	54
	336	Local printer failure	55
	337	Exp. module DC low	56
	338	Exp. module low batt	57
	339	Exp. module reset	58
	341	Exp. module tamper	59
	342	Exp. module AC lost	5A
	343	Exp. module self-test fail	5B
	344	RF receiver jam detected	5C
Communication Troubles (350)	350	Communication	5D
	351	Telco fault 1	5E
	352	Telco fault 2	5F
	353	Long range radio	60
	354	Fail to communicate	61
	355	Loss of radio supervision	62
	356	Loss of central polling	63
	357	Long range radio VSWR problem	64
Protection Loop Troubles (370)	370	Protection loop	65
	371	Protection loop open	66
	372	Protection loop short	67
	373	Fire trouble	68
	374	Exit error alarm	69
	375	Panic zone trouble	6A
	376	Hold-up zone trouble	6B
	377	Swinger trouble	6C
	378	Cross-zone trouble	6D
Sensor Troubles (380 & 390)	380	Sensor trouble	6E
	381	Loss of supervision - RF	6F
	382	Loss of supervision - RPM	70
	383	Sensor tamper	71
	384	RF transmitter low battery	72
	385	Smoke detector hi sensitivity	73
	386	Smoke detector low sensitivity	74
	387	Intrusion detector hi sensitivity	75
	388	Intrusion detector low sensitivity	76
	389	Sensor self-test failure	77
	391	Sensor watch trouble	78
	392	Drift compensation error	79
	393	Maintenance alert	7A

Table 50: List of Ademco contact ID report codes

Type	CID #	Reporting Code	Value
Open/Close (400)	400	Open/close	7B
	401	Open/close by user	7C
	402	Group open/close	7D
	403	Automatic open/close	7E
	406	Cancel	7F
	407	Remote arm/disarm	80
	408	Quick arm	81
	409	Keyswitch open/close	82
Remote Access (410)	411	Callback request made	83
	412	Successful - download access	84
	413	Unsuccessful access	85
	414	System shutdown	86
	415	Dialer shutdown	87
	416	Successful upload	88
Access Control (420, 430 & 440)	421	Access denied	89
	422	Access report by user	8A
	423	Forced access	8B
	424	Egress denied	8C
	425	Egress granted	8D
	426	Access door propped open	8E
	427	Access point door status monitor trouble	8F
	428	Access point request to exit	90
	429	Access program mode entry	91
	430	Access program mode exit	92
	431	Access threat level change	93
	432	Access relay/trigger fail	94
	433	Access RTE shunt	95
	434	Access DSM shunt	96
	441	Armed stay	97
	442	Keyswitch armed stay	98
Special Troubles (450 & 460)	450	Exception open/close	99
	451	Early open/close	9A
	452	Late open/close	9B
	453	Failed to open	9C
	454	Failed to close	9D
	455	Auto-arm failed	9E
	456	Partial arm	9F
	457	User exit error	A0
	458	User on premises	A1
	459	Recent close	A2
	461	Wrong code entry	A3
	462	Legal code entry	A4
	463	Re-arm after alarm	A5
	464	Auto-arm time extended	A6
	465	Panic alarm reset	A7
	466	Service ON/OFF premises	A8

Table 50: List of Ademco contact ID report codes

Type	CID #	Reporting Code	Value
Sounder Relay Disables (520 & 530)	520	Sounder/relay disabled	A9
	521	Bell 1 disable	AA
	522	Bell 2 disable	AB
	523	Alarm relay disable	AC
	524	Trouble relay disable	AD
	525	Reversing relay disable	AE
	526	Notification appliance chk. #3 disabled	AF
	527	Notification appliance chk. #4 disabled	B0
	531	Module added	B1
	532	Module removed	B2
Communication Disabled (550)	551	Dialer disabled	B3
	552	Radio transmitter disabled	B4
Bypasses (570)	570	Zone bypass	B5
	571	Fire bypass	B6
	572	24-hour zone bypass	B7
	573	Burglary bypass	B8
	574	Group bypass	B9
	575	Swinger bypass	BA
	576	Access zone shunt	BB
	577	Access point bypass	BC

Table 50: List of Ademco contact ID report codes

Type	CID #	Reporting Code	Value
Test/Misc (600, 610, 620, 630 & 650)	601	Manual trigger test	BD
	602	Periodic test report	BE
	603	Periodic RF transmission	BF
	604	Fire test	C0
	605	Status report to follow	C1
	606	Listen-in to follow	C2
	607	Walk test mode	C3
	608	Periodic test - system trouble present	C4
	609	Video xmitter active	C5
	611	Point test Ok	C6
	612	Point not tested	C7
	613	Intrusion zone walk tested	C8
	614	Fire zone walk tested	C9
	615	Panic zone walk tested	CA
	616	Service request	CB
	621	Event log reset	CC
	622	Event log 50% full	CD
	623	Event log 90% full	CE
	624	Event log overflow	CF
	625	Time/date reset	D0
	626	Time/date inaccurate	D1
	627	Program mode entry	D2
	628	Program mode exit	D3
	629	32-hour event log marker	D4
	630	Schedule change	D5
	631	Exception schedule change	D6
	632	Access schedule change	D7
	654	System inactivity	D8

Keypad Programming

Use the following section to program keypads on your EVOHD system. Use worksheets 47 to 49 to record your settings.

K641/K641+/K641R/K641LX/K656, and TM50

The keypad's serial number can be found on the keypad's PC board. It can also be viewed by pressing and holding **0**, entering the installer code, and then accessing section **[0000]**. The keypad's firmware version is also displayed in this section. Programming for the TM50 Touch Interface Module is performed via its touch screen menu interface. For more information on how to program the TM50, refer to the TM50 Menu Programming Guide.

Figure 3: The K641/K641R, K641+, K641LX, K656 and TM50 keypads

K641/K641R   K641LX   K656   TM50

K641+

Table 51: Description of sections [001] to [006] for the K641/K641+/K641R/K641LX, K656 and TM50 keypads

Section	Option	Description	OFF		ON		Section	Option	Description	OFF		ON	
Section [001] Keypad Partition Assignment	1	Partition 1	☐	Disabled	▲	Enabled	**Section [002]** Assigning Doors to Partitions	1	Door assigned to partition 1	☐	Disabled	▲	Enabled
	2	Partition 2	☐	Disabled	▲	Enabled		2	Door assigned to partition 2	▲	Disabled	☐	Enabled
	3	Partition 3	☐	Disabled	▲	Enabled		3	Door assigned to partition 3	▲	Disabled	☐	Enabled
	4	Partition 4	☐	Disabled	▲	Enabled		4	Door assigned to partition 4	▲	Disabled	☐	Enabled
	5	Partition 5	☐	Disabled	▲	Enabled		5	Door assigned to partition 5	▲	Disabled	☐	Enabled
	6	Partition 6	☐	Disabled	▲	Enabled		6	Door assigned to partition 6	▲	Disabled	☐	Enabled
	7	Partition 7	☐	Disabled	▲	Enabled		7	Door assigned to partition 7	▲	Disabled	☐	Enabled
	8	Partition 8	☐	Disabled	▲	Enabled		8	Door assigned to partition 8	▲	Disabled	☐	Enabled
Section [003] General Options 1	1	Display code entry	▲	Disabled	☐	Enabled	**Section [004]** General Options 2	1	Mute keypad	▲	Disabled	☐	Enabled
	2	Display exit delay	▲	Disabled	☐☐	Enabled		2	Exit delay beep	☐	Disabled	▲	Enabled
	3	Display entry delay	▲	Disabled	☐	Enabled		3	Door left open pre-arm*	☐	Disabled	▲	Enabled
	4	Confidential mode (not for UL installations)	▲	Disabled	☐	Enabled		4	Chime on zone closure	▲	Disabled	☐	Enabled
	5	Exit confidential mode	▲	Enter code	☐	Press button		5	Door left open alarm feedback*	☐	Silent	▲	Audible
	6	Future use	-	-	-	-		6	Door left open alarm follows*	▲	Alarm restore	☐	Beep timer
	7	Future use	-	-	-	-		7	Door forced alarm*	☐	Silent	▲	Audible
	8	Time display option	▲	yy/mm/dd	☐	dd/mm/yy		8	Door forced alarm*	▲	Alarm restore	☐	Beep timer
Section [005] Beep on Trouble	1	System and clock trouble beep	▲	Disabled	☐	Enabled	**Section [006]** PGM and Tamper Options	1	PGM state**	▲	N.O.	☐	N.C.
	2	Communicator trouble beep	▲	Disabled	☐	Enabled		2	PGM deactivation mode**	▲	Deactivation event	☐	PGM timer
	3	Module and combus trouble beep	▲	Disabled	☐	Enabled		3	PGM base time	▲	1 sec.	☐	1 min.
	4	All zone trouble beep	▲	Disabled	☐	Enabled		4	PGM Override**	▲	Disabled	☐	Enabled
	5	Future use	-	-	-	-		5	Keypad tamper	▲	Disabled	☐	Enabled
	6	Future use	-	-	-	-		6	Future use	-	-	-	-
	7	Time format	▲	24 hr. clock	☐	12 hr. clock		7	Future use	-	-	-	-
	8	Audible feedback on access request	☐	Disabled	▲	Enabled		8	Future use	-	-	-	-
Section [006] General Options 3 (K641R only)	1	Card activates door unlocked schedule	☐	Disabled	▲	Enabled							
	2	Door left open alarm	▲	Disabled	☐	Enabled							
	3	Door forced open alarm	▲	Disabled	☐	Enabled							
	4	Future use	☩	-	☩	-							
	5	Keypad tamper	▲	Disabled	☐	Enabled							
	6	Re-lock door	▲	After opening	☐	After closing							
	7	Future use	☩	-	☩	-							
	8	Unlock on REX	▲	Disabled	☐	Enabled							

▲ = Default

* Section/option is only available on K641R.

** Section/option is only available on K641, K641+, K641LX, and K656.

Worksheet 47: Keypad Settings for Sections [007] to [013]

Section	Data		Description	Default Setting
[007]	___/___/___	(005-255 sec.)	Confidential mode timer	120
[008]	___/___/___	(000-255; see option 3 in section **[006]**)	PGM timer	005
[008]	___/___/___	(000-255 sec.)	Door unlocked period*	005
[009]	___/___/___	(005-255 sec. added to section **[008]**)	Door unlocked period extension*	015
[010]	___/___/___	(000-255 sec.)	Door left open interval*	060
[011]	___/___/___	(000-255 sec.)	Door left open pre-alarm timer*	015
[012]	___/___/___	(000-255 sec.)	Beep timer for door left open alarm*	005
[013]	___/___/___	(000-255 sec.)	Beep timer for door forced open alarm*	005

* Section/option is only available on K641R.

Worksheet 48: Door Unlocked Schedule (K641R only)

Section	Interval	Start Time (From)	End Time (To)	Days of the Week (Turn ON or OFF)							
				S	M	T	W	T	F	S	H
[017]	Schedule A	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8
	Schedule B	___ ___ : ___ ___	___ ___ : ___ ___	1	2	3	4	5	6	7	8

Table 52: Beeping Assignment Options

Section	Option	Description	OFF		ON	
Section **[018]** Beeping Assignment	1	Partition 1	□	Mute	▲	Audible
	2	Partition 2	□	Mute	▲	Audible
	3	Partition 3	□	Mute	▲	Audible
	4	Partition 4	□	Mute	▲	Audible
	5	Partition 5	□	Mute	▲	Audible
	6	Partition 6	□	Mute	▲	Audible
	7	Partition 7	□	Mute	▲	Audible
	8	Partition 8	□	Mute	▲	Audible

▲ = Default

Worksheet 49: PGM Activation and Deactivation

Description	Event Group		Feature Group		Start #		End #	
	Section	Data	Section	Data	Section	Data	Section	Data
PGM activation	**[009]**	___/___/___	**[010]**	___/___/___	**[011]**	___/___/___	**[012]**	___/___/___
PGM deactivation	**[013]**	___/___/___	**[014]**	___/___/___	**[015]**	___/___/___	**[016]**	___/___/___

WARNING: All event groups, except groups 064 to 067, can be used to program the module's PGM. With the K641LX, all event groups can be used to program the module's PGM except group 067. See *Programmable Outputs* on page 20, for details.

Table 53: Testing Keypad's PGM Output

Section	Description
[020]	The keypad's PGM output will be activated for 8 seconds

Wireless Receiver Options

Table 54: Wireless Receiver Options

Section	Option	Description	OFF		ON	
Section [021] Wireless Receiver Options	1	Future use	☐	-	☐	-
	2	Check-in supervision	▲	Disabled	☐	Enabled
	3	Check-in supervision time interval	▲	24 hours	☐	80 min.
	4	RF jamming supervision	▲	Disabled	☐	Enabled
	5	Future use	☐	-	☐	-
	6	Future use	☐	-	☐	-
	7	Future use	☐	-	☐	-
	8	Transmitter tamper signal	▲	Ignores tamper signal	☐	Reports tamper signal

▲ = Default

Remote Control Options

Table 55: Remote Control Options

Section	Option	Description	OFF		ON	
Section [022] Remote Control Options	1	REM2 visual and auditory feedback	☐	REM2 v2.00 and lower	▲	REM2 v2.01 and higher
	2	Future use	☐	-	☐	-
	3	Future use	☐	-	☐	-
	4	Future use	☐	-	☐	-
	5	Future use	☐	-	☐	-
	6	Future use	☐	-	☐	-
	7	Future use	☐	-	☐	-
	8	Future use	☐	-	☐	-

▲ = Default

Viewing Serial Numbers

Table 56: Viewing Serial Numbers

Section	Description
[030]	Press and hold the transmitter's anti-tamper switch to view the 6-digit serial number.

Wireless Zone Assignment

Use the following section to program the wireless zones on your EVOHD panel. Use worksheet 50 to record your settings.
Worksheet 50: Wireless Zones

Section	Zone #	Serial #	Section	Zone #	Serial #	Section	Zone #	Serial #
[101]	1	___/___/___/___/___/___	[112]	12	___/___/___/___/___/___	[123]	23	___/___/___/___/___/___
[102]	2	___/___/___/___/___/___	[113]	13	___/___/___/___/___/___	[124]	24	___/___/___/___/___/___
[103]	3	___/___/___/___/___/___	[114]	14	___/___/___/___/___/___	[125]	25	___/___/___/___/___/___
[104]	4	___/___/___/___/___/___	[115]	15	___/___/___/___/___/___	[126]	26	___/___/___/___/___/___
[105]	5	___/___/___/___/___/___	[116]	16	___/___/___/___/___/___	[127]	27	___/___/___/___/___/___
[106]	6	___/___/___/___/___/___	[117]	17	___/___/___/___/___/___	[128]	28	___/___/___/___/___/___
[107]	7	___/___/___/___/___/___	[118]	18	___/___/___/___/___/___	[129]	29	___/___/___/___/___/___
[108]	8	___/___/___/___/___/___	[119]	19	___/___/___/___/___/___	[130]	30	___/___/___/___/___/___
[109]	9	___/___/___/___/___/___	[120]	20	___/___/___/___/___/___	[131]	31	___/___/___/___/___/___
[110]	10	___/___/___/___/___/___	[121]	21	___/___/___/___/___/___	[132]	32	___/___/___/___/___/___
[111]	11	___/___/___/___/___/___	[122]	22	___/___/___/___/___/___			

NOTE: When assigning wireless zones, either enter the serial number or press **TAMPER/LEARN**. To delete the serial number, enter **000000**.

Wireless Transmitter Signal Strength

The signal strength test for wireless transmitters is performed in sections **[601]** to **[632]**; these sections represent wireless zones 1 to 32, respectively. To view the signal strength of your various wireless devices, proceed as follows:
1. Enter the zone's respective section (e.g., for zone 1, enter section **[601]**).
2. Press the transmitter's anti-tamper switch and note the number of beeps which are emitted. As shown in table table 57, the number of beeps correspond to a
    preset signal strength range.

Table 57: Signal strength indicator for wireless transmitters

Number of Beeps	Signal Strength	Result
4 short beeps	4 to 10	Average to strong signal
1 long beep	3 or less	Weak signal (relocate)

NOTE: The visual representation of a transmitter's signal strength is dependent on the type of keypad. For LED keypads, zones 1 through 10 will illuminate, depending on the signal strength. For instance, a signal strength of 8 will result in zones 1 through 8 to illuminate. For LCD keypads, a ten-level progress bar composed of arrows will appear, followed by the numeric value. For a signal strength of 8, eight arrows will appear, followed by the number 8.

Current Battery Life

The current battery life for wireless transmitters is viewed in sections **[701]** to **[732]**; these sections represent wireless zones 1 to 32, respectively. To test the wireless transmitter strength of your various wireless devices, proceed as follows:
1. Enter the zone's respective section (e.g., for zone 1, enter section **[701]**.
2. The current battery life of the wireless transmitter is shown in weeks (e.g., 004= 4 weeks).

Previous Battery Life

The previous battery life for wireless transmitters is viewed in sections **[801]** to **[832]**; these sections represent wireless zones 1 to 32, respectively. To view the wireless transmitter previous battery life, proceed as follows:
1. Enter the zone's respective section (e.g., for zone 1, enter section **[801]**.
2. The previous battery life of the wireless transmitter is shown in weeks (e.g., 004= 4 weeks).

Wireless PGM Signal Strength

The signal strength for wireless PGMs is visible in sections **[671]** to **[678]**; these sections represent PGMs 1 to 8, respectively. To view the signal strength, proceed as follows:
1. Enter the wireless PGM's respective section (e.g., for PGM 1, enter section **[671]**.
2. Press the PGM's anti-tamper switch. As shown in table 58, the number of beeps correspond to a preset signal strength range.

Table 58: Signal strength indicator for wireless PGMs

Number of Beeps	Signal Strength	Result
4 short beeps	4 to 10	Average to strong signal
1 long beep	3 or less	Weak signal (relocate)

Wireless 2WPGM Serial Numbers

Use worksheet 51 to record your settings for 2WPGM serial numbers. To delete a wireless 2WPGM, enter **000000** while in the PGM's respective section. For automatic assignment, press the 2WPGM's anti-tamper switch while in the 2WPGM's respective section.

Worksheet 51: 2WPGM Serial Numbers

Section	2WPGM #	Wireless 2WPGM Serial Number
[901]	2WPGM 1	___/___/___/___/___/___
[902]	2WPGM 2	___/___/___/___/___/___
[903]	2WPGM 3	___/___/___/___/___/___
[904]	2WPGM 4	___/___/___/___/___/___
[905]	2WPGM 5	___/___/___/___/___/___
[906]	2WPGM 6	___/___/___/___/___/___
[907]	2WPGM 7	___/___/___/___/___/___
[908]	2WPGM 8	___/___/___/___/___/___

Wireless 2WPGM Activation/Deactivation Events

Use worksheet 52 to record your settings for the 2WPGM activation/deactivation events.

Worksheet 52: 2WPGM Activation/Deactivation Events

	Section	2WPGM	Event Group	Section	Feature Group	Section	Start #	Section	End #
2WPGM Activation	[910]	2WPGM 1	___/___/___	[911]	___/___/___	[912]	___/___/___	[913]	___/___/___
	[920]	2WPGM 2	___/___/___	[921]	___/___/___	[922]	___/___/___	[923]	___/___/___
	[930]	2WPGM 3	___/___/___	[931]	___/___/___	[932]	___/___/___	[933]	___/___/___
	[940]	2WPGM 4	___/___/___	[941]	___/___/___	[942]	___/___/___	[943]	___/___/___
	[950]	2WPGM 5	___/___/___	[951]	___/___/___	[952]	___/___/___	[953]	___/___/___
	[960]	2WPGM 6	___/___/___	[961]	___/___/___	[962]	___/___/___	[963]	___/___/___
	[970]	2WPGM 7	___/___/___	[971]	___/___/___	[972]	___/___/___	[973]	___/___/___
	[980]	2WPGM 8	___/___/___	[981]	___/___/___	[982]	___/___/___	[983]	___/___/___
2WPGM Deactivation	[914]	2WPGM 1	___/___/___	[915]	___/___/___	[916]	___/___/___	[917]	___/___/___
	[924]	2WPGM 2	___/___/___	[925]	___/___/___	[926]	___/___/___	[927]	___/___/___
	[934]	2WPGM 3	___/___/___	[935]	___/___/___	[936]	___/___/___	[937]	___/___/___
	[944]	2WPGM 4	___/___/___	[945]	___/___/___	[946]	___/___/___	[947]	___/___/___
	[954]	2WPGM 5	___/___/___	[955]	___/___/___	[956]	___/___/___	[957]	___/___/___
	[964]	2WPGM 6	___/___/___	[965]	___/___/___	[966]	___/___/___	[967]	___/___/___
	[974]	2WPGM 7	___/___/___	[975]	___/___/___	[976]	___/___/___	[977]	___/___/___
	[984]	2WPGM 8	___/___/___	[985]	___/___/___	[986]	___/___/___	[987]	___/___/___

2WPGM Delays

Use worksheet 53 to record your settings for the 2WPGM delays.

Worksheet 53: 2WPGM Delays

Section	2WPGM Delay Value	Range	Description	Default Setting
[918]	___/___/___	(001 to 255 x 1 sec./min.)	2WPGM 1 delay	5 sec./min.
[928]	___/___/___	(001 to 255 x 1 sec./min.)	2WPGM 2 delay	5 sec./min.
[938]	___/___/___	(001 to 255 x 1 sec./min.)	2WPGM 3 delay	5 sec./min.
[948]	___/___/___	(001 to 255 x 1 sec./min.)	2WPGM 4 delay	5 sec./min.
[958]	___/___/___	(001 to 255 x 1 sec./min.)	2WPGM 5 delay	5 sec./min.
[968]	___/___/___	(001 to 255 x 1 sec./min.)	2WPGM 6 delay	5 sec./min.
[978]	___/___/___	(001 to 255 x 1 sec./min.)	2WPGM 7 delay	5 sec./min.
[988]	___/___/___	(001 to 255 x 1 sec./min.)	2WPGM 8 delay	5 sec./min.

Partition One-touch Options

Table 59: Partition One-touch Options

Option	Description	PGM 1 [919] OFF	ON	PGM 2 [929] OFF	ON	PGM 3 [939] OFF	ON	PGM 4 [949] OFF	ON	PGM 5 [959] OFF	OFF	PGM 6 [969] ON	ON	PGM 7 [979] ON	ON	PGM 8 [989] ON	ON
1	PGM deactivation event after: see table 60	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
2	PGM base time (On = min. / Off = sec.)	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□
3	Future use	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
4	Future use	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
5	Future use	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
6	Future use	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
7	Future use	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
8	Flexible PGM deactivation: see table 60	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□	▲	□

▲ = Default

Table 60: Partition One-touch Options; Options 1 and 8

Option 1	Option 8	Description
OFF	OFF	Deactivation event
OFF	ON	Deactivation event
ON	OFF	PGM timer
ON	ON	PGM timer or deactivation event

Table 61: 2WPGM Tamper/Supervision Trouble

Section	Description
[991]	The serial number of the 2WPGM that is in tamper trouble will be displayed.
[992]	The serial number of the 2WPGM that is in supervision trouble will be displayed.

Label Programming

Each section, from **[101]** to **[148]**, **[200]** to **[204]**, and **[301]** to **[396]**, contains one label with a maximum of 16 characters. These sections contain the following labels:

- Sections **[101]** to **[148]**: zone 01 to zone 48, respectively
- Section **[200]** = Paradox Security
- Sections **[201]** to **[204]**: first area, second area, third area, and fourth area
- Sections **[301]** to **[396]**: code 01 to code 96, respectively

After entering the section corresponding to the desired label, the label can be re-programmed to suit your installation needs (see table 62). For example, section **[101]** (*Zone 01*) can be changed to *Front Door*.

Table 62: Description of the special function keys, used for programming labels on the K641/K641+/K641R/K641LX and K656 keypads

Function	Description	K641/K641+/K641R/K641LX/	K656
Insert space	Insert a blank space at the current cursor's position.	STAY	STAY
Delete	Delete the character or blank space found at the cursor's current position.	FORCE	SLEEP
Delete until end of entry	Delete all characters and spaces to the right of the cursor, as well as at the cursor's current position.	ARM	ARM
Numeric/alphanumeric	Toggle from numeric to alphanumeric keys, and vice versa. Numeric: keys **0** to **9** represent numbers *0* to *9*; alphanumeric: refer to table 63.	DISARM	OFF
Lower/upper case	Toggle from lower to upper case, and vice versa.	BYP	MENU
Special characters	After pressing this key, the cursor will turn into a flashing black square. Using the special characters outlined in figure , enter the three-digit number for the desired character.	MEM	⬚

Table 63: Description of alphanumeric key inputs

Key	Press Key Once	Press Key Twice	Press Key Three Times
1	A	B	C
2	D	E	F
3	G	H	I
4	J	K	L
5	M	N	O
6	P	Q	R
7	S	T	U
8	V	W	X
9	Y	Z	

032	048	064	080	096	112	128	144	160	176	192	208
032	048 0̸	064 @	080 P	096 `	112 p	128 Û	144 Ê	160 ª	176 §	192 ∅	208 ˙
033 !	049 1	065 A	081 Q	097 a	113 q	129 Ù	145 È	161 Î	177 ±	193 Ŀ	209 ¨
034 "	050 2	066 B	082 R	098 b	114 r	130 Ú	146 É	162 Ì	178 ij	194 Đ	210 °
035 #	051 3	067 C	083 S	099 c	115 s	131 Ü	147 Ë	163 í	179 ↑	195 ß	211 `
036 $	052 4	068 D	084 T	100 d	116 t	132 û	148 ê	164 Ï	180 ↓	196 ç	212 ´
037 %	053 5	069 E	085 U	101 e	117 u	133 ù	149 è	165 ì	181 ↵	197 ®	213 ~
038 &	054 6	070 F	086 V	102 f	118 v	134 ú	150 é	166 Ñ	182 ƒ	198 ¤	214 ÷
039 '	055 7	071 G	087 W	103 g	119 w	135 Ô	151 ë	167 ñ	183 £	199 ⌐⌐	215 «
040 (	056 8	072 H	088 X	104 h	120 x	136 Ò	152 Å	168 Ñ̃	184 →|	200 µ	216 »
041)	057 9	073 I	089 Y	105 i	121 y	137 Ó	153 Ä	169 g	185 ↓	201 Ø	217 Ⅰ⌐
042 *	058 :	074 J	090 Z	106 j	122 z	138 o	154 å	170 g	186 ⤊	202 ÿ	218 \
043 +	059 ;	075 K	091 [	107 k	123 {	139 ő	155 â	171 v	187 ↓	203 Ã	219 x
044 ,	060 <	076 L	092 ¥	108 l	124 |	140 ò	156 à	172 v	188 ¶	204 ¢	220 Ⓡ
045 -	061 =	077 M	093]	109 m	125 }	141 ó	157 á	173 w	189 ½	205 ã	221 ⒼⒸ
046 .	062 >	078 N	094 ^	110 n	126 →	142 ŏ	158 ä	174 m	190 ⅓	206 Õ	222 🅃
047 /	063 ?	079 O	095 _	111 o	127 ←	143 ¿	159 Å	175 Æ	191 ¼	207 õ	223 ≡

Figure 4: Special characters for label programming.

Using the Memory Key

Table 64: Description of memory key sections ([510] to [520])

| Section	Description
[510]	Download all content from the memory key (keypad sections [001] to [396], as well all labels and messages) to the keypad.
[520]	Copy the keypad sections [001] to [396], as well as labels and messages to the memory key.

Downloading Content from Memory Key to Keypad

To download content from the memory key to the keypad (refer to figure 5), proceed as follows:
1. Connect the memory key to the connector labelled KEY on the keypad.
2. Enter the keypad's programming mode, and then access section [510].
3. Wait for two separate confirmation beeps, and then remove the memory key.

Figure 5: Downloading from memory key to keypad and vice-versa.

Downloading from memory key to keypad

Copying from keypad to memory key
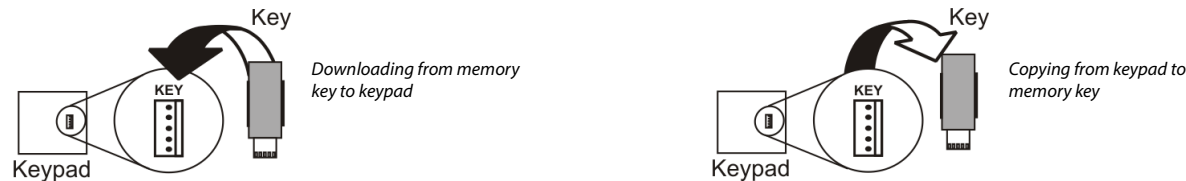
Copying Content from Keypad to the Memory Key

To copy content from the memory key to the keypad (refer to figure 5), proceed as follows:
1. Connect memory key to the connector labelled KEY on the keypad. Ensure that the write-protect jumper is ON (refer to figure 6).
2. Enter the keypad's programming mode, and then access section [520].
3. Wait for two separate confirmation beeps, and then remove the memory key. Remove the memory key's jumper, so you do not accidentally overwrite its contents.

Figure 6: The PMC5 Memory Key.
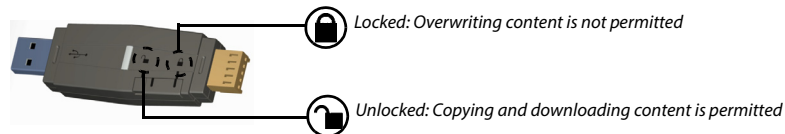
Locked: Overwriting content is not permitted

Unlocked: Copying and downloading content is permitted

Combus Voltmeter

To verify if the combus is supplying sufficient power, press and hold **0**, enter the installer code, and press ACC on the K641/K641+/K641R/K641LX and TM50 keypads, or ⌂ on the K656 keypad. A reading of 10.5V or lower, indicates to a distant module that the voltage is too low. The voltage may drop during the control panel battery test.

Updating Firmware Using BabyWare

To update your system firmware:
1. Connect the product to your PC, using a 307USB Direct Connect Interface or CV4USB Converter.

NOTE: If you are using the 307USB to upgrade a keypad that features a four-pin serial connector, you must first disconnect the GRN and YEL combus wires.

2. Launch BabyWare.
3. Click the In-Field Programmer icon.
4. Verify the product information located in the In-Field Firmware Programmer window.
5. If the firmware programmer automatically detects your control panel, proceed to the next step. If it does not automatically detect your control panel, click **Com Port Settings** and select the correct *Com* port. Once the correct port has been selected, click the **Refresh Product Info** button to connect with the panel.
6. To check for new firmware updates, click **Download Firmware from the Web**.
7. From the **Select Firmware** drop-down menu, select the firmware version you wish to install. If you have already downloaded the PUF file from paradox.com, click **[...]**, and then select your PUF file from the appropriate location.
8. Click **Update Product Firmware**. When the download process comes to an end, the update is complete.

The following section provides information on certain hardware connections for your EVOHD control panel. For detailed information, including connection diagrams, refer to the EVOHD Installation Guide. The installation guide is available from paradox.com.

Table 65: Milliamp reference table for different wire gauges

Wire Gauge	Length (of each run of wire)	Available Milliamps (mA)	Wire Gauge	Length (of each run of wire)	Available Milliamps (mA)	Wire Gauge	Length (of each run of wire)	Available Milliamps (mA)	Wire Gauge	Length (of each run of wire)	Available Milliamps (mA)
16AWG (Surface: 1.039 sq. mm)	30 m (100 ft.)	2000	18 AWG (Surface: 0.823 sq. mm)	30 m (100 ft.)	2000	22 AWG (Surface: 0.326 sq. mm)	30 m (100 ft.)	1382	24 AWG (Surface: 0.205 sq. mm)	30m (100 ft.)	869
	61 m (200 ft.)	2000		61 m (200 ft.)	1718		61 m (200 ft.)	680		61m (200 ft.)	427
	91 m (300 ft.)	1831		91 m (300 ft.)	1151		91 m (300 ft.)	456		91m (300 ft.)	286
	122 m (400 ft.)	1366		122 m (400 ft.)	859		122 m (400 ft.)	340		122m (400 ft.)	214
	152 m (500 ft.)	1096		152 m (500 ft.)	689		152 m (500 ft.)	273		152m (500 ft.)	171
	183 m (600 ft.)	910		183 m (600 ft.)	573		183 m (600 ft.)	227		183m (600 ft.)	142
	213 m (700 ft.)	782		213 m (700 ft.)	492		213 m (700 ft.)	195			
	244 m (800 ft.)	683		244 m (800 ft.)	429		244 m (800 ft.)	170			
	274 m (900 ft.)	608		274 m (900 ft.)	382		274 m (900 ft.)	151			
	305 m (1000 ft.)	546		305 m (1000 ft.)	344		305 m (1000 ft.)	136			
	457 m (1500 ft.)	365		457 m (1500 ft.)	229						
	610 m (2000 ft.)	273		610 m (2000 ft.)	172						
	762 m (2500 ft.)	219		762 m (2500 ft.)	138						
	914 m (3000 ft.)	182		914 m (3000 ft.)	115						

Milliamp Consumption

Using worksheet 54 on page 69, proceed as follows:

1. Calculate the total number of milliamps (mA) required by each device, module, and accessory in your EVOHD system. Make sure to take into account devices connected to the control panel's PGM outputs. Since the bell output has its own power supply, do not include the sirens which are connected to it in your calculation.
2. If the grand total is less than 2000 mA, proceed to step 3. If the value is greater, an external power supply will be required to provide the additional power needed.
3. Due to the degradation of a power signal over long distances (if such is the case, the PS17 Paradox Power Supply Module is recommended), each length (or run) of wire in the system can support only a specific number of milliamps (mA). Using table 65, determine how many milliamps each run of wire can support.

NOTE: The total number of milliamps (mA) can never surpass 2000 mA.

Worksheet 54: Milliamp Consumption of Various Devices

Device	QTY	Consumption for Each	Total (mA)
Communicator Module(PCS250/G)	_____	x 450 mA	_____
Grafica Color LCD Keypad (K07C)	_____	x 130 mA	_____
LCD keypads (K641, K641+, K656, K641LX)	_____	x 110 mA	_____
LCD keypads with built-in reader (K641R)	_____	x 120 mA	_____
Motion detector modules (DG85, DM50/60/70)	_____	x 30 mA	_____
Door contact modules (ZC1)	_____	x 15 mA	_____
1-Zone expansion modules (ZX1)	_____	x 30 mA	_____
4-Zone expansion modules (ZX4)	_____	x 30 mA	_____
8-Zone expansion modules (ZX8)	_____	x 30 mA	_____
8-Zone expansion modules (ZX8D)	_____	x 60 mA	_____
16-Zone expansion modules (ZX16D)	_____	x 70 mA	_____
32-Zone expansion modules (ZX32D)	_____	x 176 mA	_____
TM50	_____	x 200 mA	_____
DG457	_____	x 35 mA	_____
DG467	_____	x 35 mA	_____
HD77 PIR	_____	x 330 mA	_____
Magellan wireless expansion modules (RTX3)	_____	x 35 mA	_____
4-PGM expansion modules (PGM4)	_____	x 150 mA	_____
Printer modules (PRT3)	_____	x 25 mA	_____
DVACS modules (DVAC)	_____	x 40 mA	_____

Worksheet 54: Milliamp Consumption of Various Devices

Device	QTY	Consumption for Each	Total (mA)
Annunciator modules (ANC1)	_____	x 20 mA	_____
InTouch voice-assisted arm/disarm modules (ADM2)	_____	x 105 mA	_____
Hub and bus isolator (HUB2)	_____	x 50 mA	_____
Hub and bus isolator (HUB4D)	_____	x 73 mA	_____
Access control module (ACM12) (The ACM12 consumes 130mA from its own power supply and cannot be powered by the combus; the ACM11 consumes 120mA when connected to the combus for power)	_____	x 120 mA	_____
Listen-in module (LSN4)	_____	x 60 mA	_____
Internet module (IP150)	_____	x 110 mA	_____
Plug-in voice module (VDMP3)	_____	x 35 mA	_____
Other devices such as hardwired motion detectors	_____		_____
Grand Total (The maximum available milliamps is 2000 mA)			_____

Connecting the Combus in Noisy Environments

When installing the combus wires in proximity to high electrical interference, such as neon lights, motors, high-voltage wiring, and transformers, or if connecting the combus across separate buildings, you must use shielded cables. Connect the shielded cable as follows:

- **Within the same building**: strip the outer jacket at one end of the shielded cable to expose the shield. Connect the shield to the control panel ground (not the dialer ground), while leaving the shield at the other end of the cable open (floating).
- **Across separate buildings**: strip the outer jacket at one end of the shielded cable to expose the shield. In the same building that houses the control panel, connect the exposed shield to a cold water pipe or any other earth ground available, while leaving the shield at the other end of the cable open (floating). The same configuration applies to any subsequent building.

Trouble Display

The following section provides information on the different trouble groups associated with your EVOHD control panel.

K641/K641+/K641R/K641LX

To view the trouble display on the K641/K641+/K641R/K641LX and K648 keypads:
1. Press **TRBL**.
2. To view the specific trouble: For K641/K641+/K641R/K641LX, press the trouble's corresponding number key and use the ▲ and ▼ keys.

K656

To view the trouble display on the K656 keypad:
1. Press **MENU**.
2. Press **5** or scroll to the **View Trouble** sub-menu using the ▲ and ▼ keys, and then press **ENTER**.
3. Press the trouble's corresponding number key and use the ▲ and ▼ keys to view the specific trouble.

Grafica

To view the trouble display on Grafica keypads:
1. Enter your access code.
2. Using the scroll keys, highlight *Trouble* and then press the center action key (*Ok*). The troubles will appear by trouble group. If more than one trouble group appears, highlight the desired group before pressing the center action key (*View*), to view the specific trouble.

Trouble Groups

Table 66: Trouble groups for the EVOHD system

Group	#	Description	Group	#	Description	Group	#	Description	Group	#	Description
1: System	1	AC failure	2: Communicator	1	TLM1	3: Module Trouble	1	Module tamper	4: Network (Combus) Troubles	1	Missing keypad
	2	Battery failure		2	Fail to Com. 1		2	Module ROM check error		2	Missing module
	3	Aux. current limit		3	Fail to Com. 2		3	Module TLM trouble		3	Missing voice module
	4	Bell current limit		4	Fail to Com. 3		4	Module Fail to Com.		6	General failure
	5	Bell absent		5	Fail to Com. 4		5	Printer trouble		7	Combus overload
	6	ROM check error		6	Fail to Com. PC		6	Module AC failure			
	7	RAM check error					7	Module battery failure			
	8	Panel Tamper					8	Module supply output			
							9	Module IP Receiver Supervision trouble			
							10	Module IP Receiver Fail to com.			
							11	Module IP Receiver unregistered			
							12	Direct light			
							13	Module RF Interference			
							14	Low bus voltage on module			
							15	Module Self-test failure			
							16	Module LAN failure			
							17	Module WAN failure			

Group	Description	Group	Description	Group	Description	Group	Description
5: Zone Tamper	Press **5** to display the tampered zone or zones	6: Zone Low Battery	Press **6** to display the zone(s) assigned to wireless devices with low batteries	7: Zone Fault	Press **7** to display the zone(s) experiencing a communication, a fire loop, or CleanMe™ trouble.	8: Clock Loss	Press **8** to re-program the time

Table 66: Trouble groups for the EVOHD system

Group	#	Description	Group	#	Description	Group	#	Description
9: GSM Troubles	1	Missing GSM module	10: IP Troubles	1	Missing IP module	11: Zone anti-mask Trouble	1	Press [STAY] to display zone(s) with zone anti-masking detected (anti-mask trouble).
	2	PCS Module Tamper		2	No service			
	3	GSM RF jam supervision		3	Fail to communicate with IP receiver 1			
	4	No service		4	Fail to communicate with IP receiver 2			
	5	Fail to communicate with IP receiver 1		5	Fail to communicate with IP receiver 3			
	6	Fail to communicate with IP receiver 2		6	Fail to communicate with IP receiver 4			
	7	Fail to communicate with IP receiver 3		7	IP receiver unregistered			
	8	Fail to communicate with IP receiver 4						
	9	IP receiver unregistered						

Appendix A

EN 50131 Programming

The following sections describe all the programming required for your panel to be EN 50131 compliant. To set your panel to be EN 50131 compliant:

1. Enter section [4049] to unlock the software.
2. 2. Enter section [4039] to set all relevant sections to EN 50131-compliant default settings.

NOTE: 1. If a permanent record of events is desired, "automatic Event Buffer Transmission' needs to be configured; see section **[3037]** for more details.

2. Confidential mode needs to be activated when using the TM50.

PCS Module Programming (EN 50131 Compliancy)

Table 67: PCS module programming section [2950] (EN 50131 Compliancy)

Section	Option	Description	OFF		ON	
Section **[2950]** PCS Module Programming	1	GSM reporting	▲	See PCS manual	☐	See PCS manual
	2	GSM reporting	▲	See PCS manual	☐	See PCS manual
	3	Future use	-	-	-	-
	4	Future use	-	-	-	-
	5	GSM/GPRS no service supervision	-	See table 68	-	See table 68
	6		-		-	
	7	GSM/GPRS module tamper	☐	Disabled	☐	Enabled
	8	GSM/GPRS RF jamming supervision	☐	Disabled	☐	Enabled

Table 68: GSM/GPRS no service supervision (option 5 and 6 for section [2950] above) EN 50131 Compliancy

Option		Description
5	6	
OFF	OFF	Disabled
ON	**OFF**	When disarmed: trouble only; when armed: audible only
OFF	ON	When disarmed: trouble only; when armed: audible only
ON	ON	Silent alarm becomes audible alarm

Control Panel Settings

The following are the sections relevant to EN 50131 compliancy.

Table 69: Control Panel Settings (EN 50131 Compliancy)

Section	Data	Description	Default Setting
[3021]	__/__/__	Trouble shutdown (00-15)	010

Table 70: Panic Shutdown (EN 50131 Compliancy)

Section	Data	Description	Default Setting
[3023]	__/__/__	Panic shutdown (0-255)	010

System Options (EN 50131 Compliancy)

Use the following section to program systems options on your EVOHD system. The following provides information on sections [3029] through [3035].

Table 71: Description of section [3028]

Section	Option	Description	OFF		ON	
Section **[3028]** PCS Module Programming	1	Panel Tamper	☐	Disabled	▲	Enabled
	2	Modem speed	☐	300 bps	▲	Auto-detect (300/1200 bps)
	3	Future use	▲	Disabled	☐	Enabled
	4	Future use	▲	Disabled	☐	Enabled
	5	Future use	▲	Disabled	☐	Enabled
	6	Future use	▲	Disabled	☐	Enabled
	7	Future use	▲	Disabled	☐	Enabled
	8	Restrict arming on fail to communicate	☐	Disabled	▲	Enabled

Table 72: Description of section [3029]

Section	Option	Description	OFF		ON	
Section [3029] PCS Module Programming	1	Enable if using an RTX3 without an K641 / K641R / K641LX	▲	Disabled	☐	Enabled
	2	Future use	▲	Disabled	☐	Enabled
	3	Future use	▲	Disabled	☐	Enabled
	4	EN 50131 compliant mode	☐	Disabled	▲	Enabled
	5	Anti-mask supervision	☐	See table 73	▲	See table 73
	6		▲		☐	
	7	Generate anti-mask trouble if detected on bypass zone	▲	Yes	☐	No
	8	Restrict arming on Anti-mask trouble	▲	Disabled	☐	Enabled

Table 73: Anti-mask supervision (option 5 and 6 for section [3029] (EN 50131 Compliancy)

Option		Description
5	6	
OFF	OFF	Disabled
OFF	ON	Generates trouble only (when armed or disarmed)
ON	**OFF**	When armed: alarm (default) When disarmed: generates trouble only
ON	ON	When armed: alarm When disarmed: generates audible alarm

Table 74: Description of section [3033] (EN 50131 Compliancy)

Section	Option	Description	OFF		ON	
Section [3033] System Options 3	1	Multiple actions in user menu	▲	Disabled	☐	Enabled
	2	User code length	▲	Fixed	☐	Flexible
	3	User code length (if option 2 is OFF)*	▲	4-digits	☐	6-digits
	4	Power save mode	☐	Disabled	▲	Enabled
	5	Bypass not displayed if system is armed	☐	Disabled	▲	Enabled
	6	Trouble latch	☐	Disabled	▲	Enabled
	7	EOL resistor on hardwire zones	☐	Disabled	▲	Enabled
	8	Zone doubling (ATZ)	▲	Disabled	☐	Enabled

* ALL numbers from 000000 to 999999 are valid giving a total of 1,000,000 different possible combinations.

Table 75: Description of section [3034] (EN 50131 Compliancy)

Section	Option	Description	OFF		ON	
Section [3034] System Options 4	1	Wireless transmitter supervision	-	See table 76	-	See table 76
	2		-		-	
	3	Generate supervision failure if detected on a bypass wireless zone	▲	Yes	☐	No
	4	Restrict arming on a wireless transmitter supervision failure	▲	Disabled	☐	Enabled
	5	Zone and module tamper recognition options	-	See table 77	-	See table 77
	6		-		-	
	7	Generate tamper if detected on bypass zone	☐	Yes	▲	No
	8	Restrict arming on tamper trouble	☐	Disabled	▲	Enabled

Table 76: Wireless transmitter supervision (options 1 and 2 for section [3034] (EN 50131 Compliancy)

Option		Description
1	2	
OFF	**OFF**	Disabled (default)
OFF	ON	Generates trouble only (when armed or disarmed)
ON	OFF	When armed: alarm (default) When disarmed: generates trouble only
ON	ON	When armed: alarm When disarmed: generates audible alarm

Table 77: Zone and module tamper recognition (option 5 and 6 for section [3034] (EN 50131 Compliancy)

Option		Description
5	6	
OFF	OFF	Disabled
OFF	ON	Generates trouble only (when armed or disarmed)
ON	**OFF**	When armed: alarm (default) When disarmed: generates trouble only
ON	ON	When armed: alarm When disarmed: generates audible alarm

Table 78: Description of section [3035] (EN 50131 Compliancy)

Section	Option	Description	OFF		ON	
Section [3035] System Options 5	1	Restrict arming on AC failure	▲	Disabled	□	Enabled
	2	Restrict arming on battery failure	▲	Disabled	□	Enabled
	3	Restrict arming on bell or auxiliary failure	□	Disabled	▲	Enabled
	4	Restrict arming on TLM failure	□	Disabled	▲	Enabled
	5	Restrict arming on module troubles	□	Disabled	▲	Enabled
	6	Account number transmission	▲	Partition #	□	Tel. No.
	7	Transmit zone status on serial port*	▲	Disabled	□	No
	8	Future use	▲	Disabled	□	Enabled
*This option is used by certain event monitoring software, such as Hyperterminal. With WinLoad/BabyWare and printers, it is always being transmitted.						

Table 79: Description of section [3037] (EN 50131 Compliancy)

Section	Option	Description	OFF		ON	
Section [3037] System Options 4	1	Call back	▲	Disabled	□	Enabled
	2	Automatic event buffer transmission	▲	Disabled	□	Enabled
	3	Autotest report transmission options	-	See table 80	-	See table 80
	4		-		-	
	5	Keypad beep on successful arming/disarming report	▲	Disabled	□	Enabled
	6	Alternate dialing	▲	Disabled	□	Enabled
	7	Dial tone delay (if no dial tone)	▲	Disabled	□	Enabled
	8	Report zone restore ON = Upon zone closure OFF = Upon bell cut-off	□	Disabled	▲	Enabled

Table 80: Test report transmission (option 3 and 4) for section [3037]) (EN 50131 Compliancy)

Option		Description
3	4	
OFF	**OFF**	Transmit the test report code every time the days programmed in section [3040] have elapsed, at the time programmed in section [3041]; (default)
OFF	ON	When armed: transmit test report code every time the time programmed in section [3042] has elapsed When disarmed: transmit test report code every time the time programed in section [3043] has elapsed
ON	OFF	The control panel will transmit the test report code every hour, on the minute value programmed in section [3041] (the last two digits); the first tow digits of section [3041] will be ignored; for example, if 10:25 was programed in section [3041], the test report code would be transmitted at the 25th minute of every hour; i.e., 11:25, 12:25, etc.
ON	ON	The test report code will be transmitted when one or more of the conditions of the second and third options, listed above, are met; i.e., option 3 = OFF and option 4 = ON, or option 3 = ON and option 4 = OFF

Partition Timers

Table 81: Partition Timer Settings (EN 50131 Compliancy)

Description (Decimal Values from 000 to 255)	Partition 1 Section	Data	Partition 2 Section	Data	Partition 3 Section	Data	Partition 4 Section	Data
Number of invalid codes before lockout (Default: 010)	[3105]	__/__/__	[3205]	__/__/__	[3305]	__/__/__	[3405]	__/__/__
Keypad lockout duration (Default: 02)	[3106]	__/__/__	[3206]	__/__/__	[3306]	__/__/__	[3406]	__/__/__
Auto-zone shutdown (Default: 010)	[3114]	__/__/__	[3214]	__/__/__	[3314]	__/__/__	[3414]	__/__/__

Description (Decimal Values from 000 to 255)	Partition 5 Section	Data	Partition 6 Section	Data	Partition 7 Section	Data	Partition 8 Section	Data
Number of invalid codes before lockout (Default: 010)	[3505]	__/__/__	[3605]	__/__/__	[3705]	__/__/__	[3805]	__/__/__
Keypad lockout duration (Default: 02)	[3506]	__/__/__	[3606]	__/__/__	[3706]	__/__/__	[3806]	__/__/__
Auto-zone shutdown (Default: 010)	[3514]	__/__/__	[3614]	__/__/__	[3714]	__/__/__	[3814]	__/__/__

Appendix B

EOL and ATZ Options per Zone Input and Tamper Options per Zone

EOL/ATZ Options per Zone Input

EVOHD v1.0 supports the use of EOL and ATZ per zone input. Previously, all inputs followed global EOL/ATZ settings at panel section **[3033]**, options 7 and 8. To set EOL and ATZ options per individual input, a new module and panel section (**[401]** and **[0401]**, respectively) has been added.

To access module section **[401]**:
1. Enter panel section **[4003]**.
2. Enter the module's serial number.
3. Enter module section **[401]** (see table 82). Each of the 8 digits represent one of the 8 inputs.

Table 82: Zone Input Options

Section	Input 1 / Input 2	Input 3 / Input 4	Input 5 / Input 6	Input 7 / Input 8
[0401] **Zone Input Options**	_/_ (0/0)	_/_ (0/0)	_/_ (0/0)	_/_ (0/0)

By default, all options are configured as "0". This means that all zone inputs will follow the global setting at panel section **[3033]**, options 7 and 8. However, if you change the value from 1 to 4, the inputs will follow the desired settings (see table 83).:

Table 83: Zone Input Option Individual Settings

Option	Description
0	System default; zone will follow global panel settings for EOL and ATZ set in section **[3033]**, options 7 and 8.
1	No EOL, no ATZ
2	EOL enabled, no ATZ
3	No EOL, ATZ enabled
4	EOL enabled, ATZ enabled

The example of **(12) (03) (00) (00)** configured in section **[401]** means that:
- The first digit shows that input 1 uses no EOL and no ATZ.
- The second digit shows that input 2 has EOL enabled, but no ATZ.
- The third digit shows that input 3 follows the global setting in panel section **[3033]**.
- The fourth digit shows that input 4 has EOL and ATZ enabled (input 12 becomes the second input for a second zone).

NOTE: 1. When a zone is programmed as a "*Fire*" or "*Delay Fire*", the setting from **[401]** is not used and the input needs to be wired like a fire zone (1K resistor in parallel). **2.** When a zone is programmed as a "*Keyswitch*", the input needs to be wired like a Keyswitch (1K resistor in parallel).

Tamper Options per Zone

EVOHD v1.0 supports tamper options for a particular zone. In the new panel section **[0400]**, a new section allows for the disabling of the global Tamper setting. A display of eight options is shown, and only the first option is used (see figure 7):

Figure 7: Zone (New Option Screen)
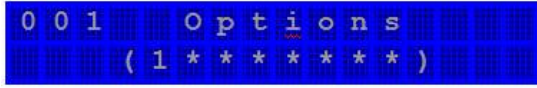
To disable the Tamper option on a particular zone:
1. Enter section **[0400] (**the global Tamper option must be enabled in section **[3033]**, options 5 and 6).
2. Select the zone you wish to modify.
3. After the zone option screen, a new option screen appears (see figure 7).
4. The "1" in the first option signifies that the zone follows the global Tamper setting (default). Press "1" to remove this option and to disable the tamper option on the particular zone. This zone will now not send any tamper troubles or alarms.

Selectable Input Resistor for EOL and Contact

Selectable Input Resistor

EVOHD v1.0 provides the ability to select different resistor values for the EOL and the resistor in parallel of the zone contact. To set selectable input resistor for EOL, a new module (ZX8 v6.0 or higher) and panel section (**[402]** and **[0402]**, respectively) has been added.

To access module section **[402]**:
1. Enter panel section **[4003]**.
2. Enter the module's serial number.
3. Enter module section **[402]** (see table 84). Each of the 8 digits represent one of the 8 inputs.
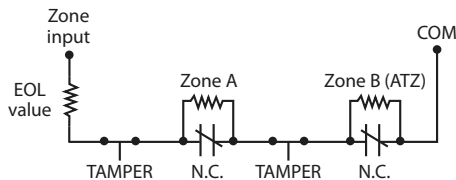
Table 84: Zone Input Options

Section	Input 1 / Input 2	Input 3 / Input 4	Input 5 / Input 6	Input 7 / Input 8
[0402] **Zone Input Options**	_/_ (0/0)	_/_ (0/0)	_/_ (0/0)	_/_ (0/0)

Table 85: Zone Input Option Individual Settings

Option	EOL Value	Zone A Value	Zone B Value (ATZ)
0	**1K**	**1K**	**2K2**
1	2K2	1K5	N/A
2	3K3	3K3	N/A
3	4K7	4K7	N/A
4	4K7	6K8	N/A
5	2K2	4K7	N/A
6	8K2	8K2	N/A

Figure 8: Selectable input Resistor for EOL

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The whole Paradox team wishes you a successful and easy installation.
We hope this product performs to your complete satisfaction.
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