ZX8-TI03

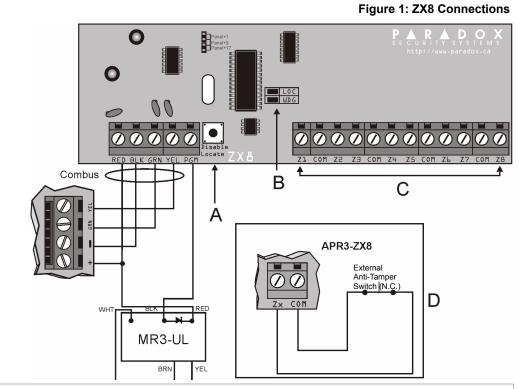
8-Zone Expansion Modules ZX8 V6.0



The 8-zone Expansion Module (ZX8) is an interface between the control panels and any hardwired detection devices. The ZX8 connects to the control panel's combus to provide eight additional hardwired inputs and one 50mA on-board PGM output.

## Specifications

Input voltage:	Typically 12 to 16 Vdc
Current cons.:	28mA
Max.# of ZX8:	max.3: MG/SP Series
No. of outputs:	One 50mA PGM
No. of inputs:	8 inputs
No. of zones:	8 standard zone inputs
Oper. temperature:	-20°C to 50°C (-4°F to 122°F)*
Compatibility:	Any Digiplex or Digiplex EVO series control panel Any SP Series control panel (V2.0 or higher) MG5000/MG5050 control panels (V2.0 or higher) WinLoad Software V2.03 or higher <b>NOTE:</b> For 1728/1738 compatibility, refer to the SP-ZX8 instructions.



# Installation

Connect the module as shown in Figure 1.

## Table 1: Jumper Setting

	MAG	iELL	▲ N <sup>™</sup>			S	PE	Р стғ	R A					
		MG5000 MG5050 on-board zones) (5 on-board zones)		SP4000 (4 on-board zones)		SP5500 (5 on-board zones)		SP6000 (8 on-board zones)		SP65 (9 on-board zones)		SP7000 (16 on-board zones)		
	No/ ATZ ZTA	With/ ATZ ZTA	No/ ATZ ZTA	With/ ATZ ZTA	No/ ATZ ZTA	With/ ATZ ZTA	No/ ATZ ZTA	With/ ATZ ZTA	No/ Sin/Sans ATZ ZTA	With/ Con/Avec ATZ ZTA	No/ Sin/Sans ATZ ZTA	With/ Con/Avec ATZ ZTA	No/ Sin/Sans ATZ ZTA	With/ Con/Avec ATZ ZTA
	zor	nes/	zor	nes/	zor	nes/	zor	nes/	zor	nes/	zor	nes/	zon	es/z
A / Panel+1*	3-10	5-12	6-13	11-18	5-12	9-16	6-13	11-18	9-16	17-24	10-17	19-26	17-24	-
B / Panel+9*	11-18	13-20	14-21	19-26	13-20	17-24	14-21	19-26	17-24	25-32	18-25	27-32	25-32	-
C / Panel+17*	19-26	21-28	22-29	27-32	21-28	25-32	22-29	27-32	25-32	-	26-32	-	-	-
*Press "Disabl	e Locate" for	3 seconds	to change ju	mper setting	ſ									

### Table 2: Illustration

Α	Digiplex +Digiplex EVO
	A "Locate" request coming from the control panel can be disabled by pressing the "Disable Locate".
	MG/SP Series
	Press the "Disable Locate" for 3 seconds. Fast flash of the green LED occurs. Jumper settings can be changed.
В	Green "LOC" LED
	Digiplex and Digiplex EVO
	Remains Illuminated during power up
	Flashes fast to indicate it is receiving a "Locate" request from the control panel. To disable a "Locate" request, press the "Disable Locate" switch.
	SP Series and MG5050
	Flashes fast to indicate a change in jumper setting.
	Red "WDG" LED
	All panels
	Flashes to indicate proper operation
	If both "LOC" and the "WDG" LED are flashing alternately, the module is
	experiencing a communication failure with the control panel.
С	Connect the detection devices to the ZX8 input terminals exactly as shown in the appropriate control panel's Programming Guide.
D	Digiplex y Digiplex EVO
_	Z8: Input terminal Z8 can be used as an anti-tamper switch input. Enable
	section [001] option [1]
	MG/SP Series
	Z1: Input terminal Z1 can be used as an anti-tamper switch input. Enable
	section [706] option [4] for panel+1, option [5] for panel+9 and option [6] for panel+17

Table 3: Options

	Programming I	Method						
			0051					
DIGIPLEX	1. Hold [0] key+			$\circ$				
EVO	<ol> <li>Enter section</li> <li>Enter module</li> </ol>			0)				
				N/OFF or enter the requir	ed data			
Sections	Options							
Sections	[1] Tamper Reco	ognition <b>C</b>	FF† = Disabled	<b>ON</b> = Enabled (Z8)				
	[2] PGM Deactiv		•	vent <b>ON</b> = PGM timer				
10041	[3] PGM Norma		<b>FF†</b> = N.O.	<b>ON</b> = N.C.				
[001]	[4] PGM Base ti		FF† = 1 sec.	<b>ON</b> = 1 min.				
[002]-[016]	Input Speed (B		ection)					
[]	(Default = all inp							
Even Numbered				ninals Z1 to Z8. Using [▼]	and [▲] keys. Select a	a Base Time v	alue from (	000 to 002. Press [ENTER].
	000= Input Spee	ed is X by 15 m	illiseconds.					
	001= Input Spee							
	002= Input Spee		nute.					
[003]-[017]	Input Speed (Ti							
Odd Numbered	Odd numbered	sections repres	sent inputs Z1 to	Z8. Enter a 3-digit decim	al time value (000 to 2	55). Multiply b	y the Input	t Speed.
Odd Numbered								
[018]	PGM Timer							
[]	Enter a 3-digit de	cimal value (00	1-255). Multiply b	by the PGM Base Time Sel	ection.			
	Activation Ever	nt*						
[019]	/ / Event							
	/ / Featur							
[020]			within the Featur	re Group				
[021]		-	vithin the Feature	-				
[022]				•				
	Deactivation Evo							
[023]	_/_/_Event							
[024]	_/_/_Featur		within the Featur	re Group				
[025]			vithin the Feature					
[026]		Joc die range v						
[030]	PGM Test Mode	e						
	Activate PGM fc	or 8 seconds to	verify if the PGM	V is functioning properly.				
[401]	EOL/ATZ Optio		-					
[י אין								1
	Section		Input 1 / Inpu	at 2 Input 3 / Input 4	Input 5 / Input 6 In	nput 7 / Input	t 8	
	[04	01]						]
		ut Options	(0/0)	(0/0)	(0/0)	(0/0)		
								-
						al setting at pa	anel sectio	on <b>[3033]</b> , options 7 and 8. Howeve
				ill follow the desired settin	gs as snown below.:			
	Zone Input Opt	tion Individual	Settings					
	Option	Description						
	0	System defaul	t zono will follow (	global panel settings for EOL :	and ATZ sat in section [20]	221 options 7 ar	nd e	
	0	-		giobal parter settings for EOL	and Arz set in section (50)	ssj, options / ai	N 0.	
		No EOL, no A	Z					
	1							
	2	EOL enabled,	no ATZ					
	2	EOL enabled,						
1001	2 3	EOL enabled, No EOL, ATZ e	enabled					
[402]	2 3	EOL enabled, No EOL, ATZ e		tact				
[402]	2 3	EOL enabled, No EOL, ATZ e	nabled		ıt 5 / Input 6 Input 7	/ Input 8		
[402]	2 3 Selectable Inp Section	EOL enabled, No EOL, ATZ e ut Resistor for Inpu	r EOL and Cont tt 1 / Input 2	Input 3 / Input 4 Inpu	ıt 5 / Input 6 Input 7			
[402]	2 3 Selectable Inp Section [0402]	EOL enabled, No EOL, ATZ e ut Resistor fo	r EOL and Conf tt 1 / Input 2	Input 3 / Input 4 Inpu				
[402]	2 3 Selectable Inpu Section [0402] Zone Input O	EOL enabled, No EOL, ATZ e ut Resistor for pptions	r EOL and Cont it 1 / Input 2 	Input 3 / Input 4 Inpu				
[402]	2 3 Selectable Inp Section [0402]	EOL enabled, No EOL, ATZ e ut Resistor for pptions	r EOL and Cont it 1 / Input 2 	Input 3 / Input 4 Inpu				
[402]	2 3 Selectable Inpu Section [0402] Zone Input O	EOL enabled, No EOL, ATZ e ut Resistor for pptions	r EOL and Cont it 1 / Input 2 	Input 3 / Input 4 Inpu			,	
[402]	2 3 Selectable Inp Section [0402] Zone Input O Zone Input Option	EOL enabled, No EOL, ATZ e ut Resistor for pytions Input on Individual S EOL Value	r EOL and Cont it 1 / Input 2 	Input 3 / Input 4 Inpu _/_ (0/0) Zone A Value	_/ (0/0) Zone B Value (ATZ)		,	
[402]	2 3 Selectable Inpu Section [0402] Zone Input Option Option 0	EOL enabled, No EOL, ATZ e ut Resistor for pptions on Individual S EOL Value 1K	r EOL and Cont it 1 / Input 2 	Input 3 / Input 4 Inpu _/_ (0/0) Zone A Value 1K	_/_ (0/0) Zone B Value (ATZ) 2K2		, ,	
[402]	2 3 Selectable Inp Section [0402] Zone Input O Zone Input Option	EOL enabled, No EOL, ATZ e ut Resistor for pytions Input on Individual S EOL Value	r EOL and Cont it 1 / Input 2 	Input 3 / Input 4 Inpu _/_ (0/0) Zone A Value	_/ (0/0) Zone B Value (ATZ)		;	
[402]	2 3 Selectable Inpu Section [0402] Zone Input Option Option 0	EOL enabled, No EOL, ATZ e ut Resistor for pptions on Individual S EOL Value 1K	r EOL and Cont it 1 / Input 2 	Input 3 / Input 4 Inpu _/_ (0/0) Zone A Value 1K	_/_ (0/0) Zone B Value (ATZ) 2K2		;	
[402]	2 3 Selectable Inpu Section [0402] Zone Input Option 0 1	EOL enabled, No EOL, ATZ e ut Resistor for pptions EOL Value 1K 2K2	r EOL and Cont it 1 / Input 2 	Input 3 / Input 4         Input 4           _/	_/ (0/0) Zone B Value (ATZ) 2K2 N/A N/A		;	
[402]	2 3 Selectable Inp Section [0402] Zone Input Option 0 1 2 3	EOL enabled, No EOL, ATZ e ut Resistor for poptions EOL Value 1K 2K2 3K3 4K7	r EOL and Cont it 1 / Input 2 	Input 3 / Input 4         Input 4           _/	_/ (0/0) Zone B Value (ATZ) 2K2 N/A N/A N/A N/A		;	
[402]	2 3 Selectable Inp Section [0402] Zone Input Option 0 1 2 3 4	EOL enabled, No EOL, ATZ e Inputors EOL Value 1K 2K2 3K3 4K7	r EOL and Cont it 1 / Input 2 	Input 3 / Input 4         Input 4         Input 7/- (0/0)           Zone A Value         1           1K         1           1K5         3           3K3         4           6K8         1	_/_ (0/0) Zone B Value (ATZ) 2K2 N/A N/A N/A N/A N/A			
[402]	2 3 Selectable Inp Section [0402] Zone Input Option 0 1 2 3	EOL enabled, No EOL, ATZ e ut Resistor for poptions EOL Value 1K 2K2 3K3 4K7	r EOL and Cont it 1 / Input 2 	Input 3 / Input 4         Input 4           _/	_/ (0/0) Zone B Value (ATZ) 2K2 N/A N/A N/A N/A			
[402]	2 3 Selectable Inp Section [0402] Zone Input Option 0 1 2 3 4	EOL enabled, No EOL, ATZ e Inputors EOL Value 1K 2K2 3K3 4K7	r EOL and Cont it 1 / Input 2 	Input 3 / Input 4         Input 4         Input 7/- (0/0)           Zone A Value         1           1K         1           1K5         3           3K3         4           6K8         1	_/_ (0/0) Zone B Value (ATZ) 2K2 N/A N/A N/A N/A N/A			
[402]	2 3 Selectable Inp Section [0402] Zone Input Optio 0 1 2 3 4 5	EOL enabled, No EOL, ATZ e Inputors EOL Value 1K 2K2 3K3 4K7 4K7 2K2	r EOL and Cont it 1 / Input 2 	Input 3 / Input 4 Input //_ (0/0)  Zone A Value IK 1K5 3K3 4K7 6K8 4K7	_/_ (0/0) Zone B Value (ATZ) 2K2 N/A N/A N/A N/A N/A N/A			
[402]	2 3 Selectable Inp Section [0402] Zone Input Optio 0 1 2 3 4 5	EOL enabled,         No EOL, ATZ e         ut Resistor for         pptions         Input         EOL Value         1K         2K2         3K3         4K7         4K7         2K2         8K2	r EOL and Cont it 1 / Input 2 	Input 3 / Input 4 Input //_ (0/0)  Zone A Value IK 1K5 3K3 4K7 6K8 4K7	_/_ (0/0) Zone B Value (ATZ) 2K2 N/A N/A N/A N/A N/A N/A			
[402]	2 3 Selectable Inp Section [0402] Zone Input Optio 0 1 2 3 4 5	EOL enabled, No EOL, ATZ e ut Resistor for poptions EOL Value 1K 2K2 3K3 4K7 2K2 2K2 2K2 2K2	r EOL and Cont it 1 / Input 2 	Input 3 / Input 4 Inpu _/_ (0/0)  Zone A Value  1K  1K5  3K3  4K7  6K8  4K7  8K2	_/_ (0/0) Zone B Value (ATZ) 2K2 N/A N/A N/A N/A N/A N/A			
[402]	2 3 Selectable Inp Section [0402] Zone Input Optio 0 1 2 3 4 5	EOL enabled,         No EOL, ATZ e         ut Resistor for         pptions         Input         EOL Value         1K         2K2         3K3         4K7         4K7         2K2         8K2	r EOL and Cont it 1 / Input 2 	Input 3 / Input 4 Input //_ (0/0)  Zone A Value IK 1K5 3K3 4K7 6K8 4K7	_/_ (0/0) Zone B Value (ATZ) 2K2 N/A N/A N/A N/A N/A N/A			
[402]	2 3 Selectable Inp Section [0402] Zone Input Optio 0 1 2 3 4 5	EOL enabled, No EOL, ATZ e It Resistor for Individual S EOL Value 1K 2K2 3K3 4K7 4K7 2K2 3K3	r EOL and Cont it 1 / Input 2 	Input 3 / Input 4 Inpu _/_ (0/0)  Zone A Value  1K  1K5  3K3  4K7  6K8  4K7  8K2	_/_ (0/0) Zone B Value (ATZ) 2K2 N/A N/A N/A N/A N/A N/A			
[402]	2 3 Selectable Inp Section [0402] Zone Input Optio 0 1 2 3 4 5	EOL enabled, No EOL, ATZ e ut Resistor for poptions EOL Value 1K 2K2 3K3 4K7 2K2 2K2 2K2 2K2	r EOL and Cont it 1 / Input 2 (0/0) ettings	Input 3 / Input 4 Input //_ (0/0)  Zone A Value IK IK5 3K3 4K7 6K8 4K7 6K8 4K7 8K2	_/_ (0/0) Zone B Value (ATZ) 2K2 N/A N/A N/A N/A N/A N/A			
[402]	2 3 Selectable Inp Section [0402] Zone Input Optio 0 1 2 3 4 5	EOL enabled, No EOL, ATZ e ut Resistor for poptions EOL Value 1K 2K2 3K3 4K7 4K7 2K2 8K2 Zone input EOL	r EOL and Cont rt 1 / Input 2 (0/0) ettings 	Input 3 / Input 4         Input 3 / Input 4	_/_ (0/0) Zone B Value (ATZ) 2K2 N/A N/A N/A N/A N/A N/A			
[402]	2 3 Selectable Inp Section [0402] Zone Input Optio 0 1 2 3 4 5	EOL enabled, No EOL, ATZ e ut Resistor for potions EOL Value 1K 2K2 3K3 4K7 4K7 2K2 8K2 Zone input EOL value	r EOL and Cont it 1 / Input 2 (0/0) ettings	Input 3 / Input 4 Input // (0/0) Zone A Value 1K 1K5 3K3 4K7 6K8 4K7 6K8 4K7 8K2 COM Zone B (ATZ)	_/_ (0/0) Zone B Value (ATZ) 2K2 N/A N/A N/A N/A N/A N/A			
[402]	2 3 Selectable Inp Section [0402] Zone Input Optio 0 1 2 3 4 5	EOL enabled, No EOL, ATZ e ut Resistor for potions EOL Value 1K 2K2 3K3 4K7 4K7 2K2 8K2 Zone input EOL value	r EOL and Cont it 1 / Input 2 (0/0) ettings	Input 3 / Input 4         Input 3 / Input 4         Input (0/0)           Zone A Value         1	_/_ (0/0) Zone B Value (ATZ) 2K2 N/A N/A N/A N/A N/A N/A			
[402]	23Selectable InputSection[0402]Zone Input Option0123456	EOL enabled, No EOL, ATZ e ut Resistor for poptions EOL Value 1K 2K2 3K3 4K7 4K7 2K2 8K2 Zone input EOL value	r EOL and Cont rt 1 / Input 2 (0/0) ettings  Zone A  PER N.C. T	Input 3 / Input 4 Input // (0/0) Zone A Value 1K 1K5 3K3 4K7 6K8 4K7 6K8 4K7 8K2 COM Zone B (ATZ)	_/_ (0/0) Zone B Value (ATZ) 2K2 N/A N/A N/A N/A N/A N/A N/A		Guide.	
[402]	23Selectable InputSection[0402]Zone Input Option0123456	EOL enabled, No EOL, ATZ e ut Resistor for potions EOL Value 1K 2K2 3K3 4K7 4K7 2K2 8K2 2K2 8K2 Zone input EOL Value EOL Value	r EOL and Cont rt 1 / Input 2 (0/0) ettings  Zone A  PER N.C. T	Input 3 / Input 4 Inpu (0/0) Zone A Value 1K 1K5 3K3 4K7 6K8 4K7 6K8 4K7 8K2 COM Zone B (ATZ) MPER N.C.	_/_ (0/0) Zone B Value (ATZ) 2K2 N/A N/A N/A N/A N/A N/A N/A		Guide.	
[402]	2 3 Selectable Inpu Section [0402] Zone Input Option 0 1 2 3 4 5 6 TDefault Setting Programming M 1. [ENTER] + [IN:	EOL enabled, No EOL, ATZ e ut Resistor for poptions Individual S EOL Value 1K 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 70ne input EOL Value TAN	r EOL and Cont rt 1 / Input 2 	Input 3 / Input 4         Input (0/0)           Zone A Value         1K           1K5         3K3           4K7         6K8           4K7         8K2           Zone B (ATZ)         COM           Zone B (ATZ)         N.C.           V55 can be used. See PGI         See PGI	U Table in the panel's F		Guide.	
[402]	2 3 Selectable Inpu Section [0402] Zone Input Option 0 1 2 3 4 5 6 TDefault Setting Programming M 1. [ENTER] + [IN:	EOL enabled, No EOL, ATZ e ut Resistor for poptions Individual S EOL Value 1K 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 70ne input EOL Value TAN	r EOL and Cont rt 1 / Input 2 	Input 3 / Input 4 Inpu (0/0) Zone A Value 1K 1K5 3K3 4K7 6K8 4K7 6K8 4K7 8K2 COM Zone B (ATZ) MPER N.C.	U Table in the panel's F		Guide.	
	2 3 Selectable Inpu Section [0402] Zone Input Option 0 1 2 3 4 5 6 TDefault Setting Programming M 1. [ENTER] + [IN:	EOL enabled, No EOL, ATZ e ut Resistor for poptions Individual S EOL Value 1K 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 70ne input EOL Value TAN	r EOL and Cont rt 1 / Input 2 	Input 3 / Input 4         Input (0/0)           Zone A Value         1K           1K5         3K3           4K7         6K8           4K7         8K2           Zone B (ATZ)         COM           Zone B (ATZ)         N.C.           V55 can be used. See PGI         See PGI	U Table in the panel's F		Guide.	
	2         3         Selectable Input         Section         [0402]         Zone Input Option         0         1         2         3         4         5         6         *Default Setting         Programming M         1. [ENTER] + [IN:         2. Enter [SECTION]	EOL enabled, No EOL, ATZ e ut Resistor for pptions on Individual S EOL Value 1K 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 7 Only Event EOL EOL EOL EOL EOL EOL EOL EOL EOL EOL	r EOL and Cont rt 1 / Input 2 	Input 3 / Input 4         Input (0/0)           Zone A Value         1K           1K5         3K3           4K7         6K8           4K7         8K2           Zone B (ATZ)         COM           Zone B (ATZ)         N.C.           V55 can be used. See PGI         See PGI	U Table in the panel's F		Guide.	
	2 3 Selectable Inpu Section [0402] Zone Input Option 0 1 2 3 4 5 6 Tamper Recogn	EOL enabled, No EOL, ATZ e ut Resistor for pptions on Individual S EOL Value 1K 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 7 Only Event EOL EOL EOL EOL EOL EOL EOL EOL EOL EOL	r EOL and Cont rt 1 / Input 2 	Input 3 / Input 4         Input (0/0)           Zone A Value         1K           1K5         3K3           4K7         6K8           4K7         8K2           Zone B (ATZ)         COM           Zone B (ATZ)         N.C.           V55 can be used. See PGI         See PGI	U Table in the panel's F		Guide.	
SP PECTRA	2         3         Selectable Input         Section         [0402]         Zone Input Option         0         1         2         3         4         5         6         *Default Setting         Programming M         1. [ENTER] + [IN:         2. Enter [SECTION]	EOL enabled, No EOL, ATZ e ut Resistor for pptions on Individual S EOL Value 1K 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 7 Only Event EOL EOL EOL EOL EOL EOL EOL EOL EOL EOL	r EOL and Conf rt 1 / Input 2 	Input 3 / Input 4         Input (0/0)           Zone A Value         1K           1K5         3K3           4K7         6K8           4K7         8K2           Zone B (ATZ)         COM           Zone B (ATZ)         N.C.           V55 can be used. See PGI         See PGI	U Table in the panel's F		Guide.	
SP PECTRA	2 3 Selectable Inpu Section [0402] Zone Input Option 0 1 2 3 4 5 6 Tamper Recogn	EOL enabled, No EOL, ATZ e It Resistor for Input Input Infu IK IC IC IC IC IC IC IC IC IC IC IC IC IC	r EOL and Cont rt 1 / Input 2 (0/0) ettings Zone A PER N.C. T Groups 000 to 0 ssired option ON OFF = No EC	Input 3 / Input 4 Input (0/0) Zone A Value 1K 1K5 3K3 4K7 6K8 4K7 6K8 4K7 8K2 COM Zone B (ATZ) AMPER N.C. V/OFF or enter the require	U Table in the panel's F		Guide.	
SP PECTRA	2 3 Selectable Input Section [0402] Zone Input Option 0 1 2 3 4 5 6	EOL enabled, No EOL, ATZ e ut Resistor for portions EOL Value 1K 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 4K7 2K2 3K3 4K7 4K7 4K7 4K7 4K7 4K7 4K7 4K7 4K7 4K7	r EOL and Cont rt 1 / Input 2 	Input 3 / Input 4       Input (0/0)         Zone A Value       1K         1K       1K5         3K3       4K7         6K8       4K7         8K2       COM         Zone B (ATZ)       COM         AMPER       N.C.         V/OFF or enter the require         DL       ON = With EOL	U Table in the panel's F		Guide.	
	2         3         Selectable Input         Section         [0402]         Zone Input Option         0         1         2         3         4         5         6         *Default Setting         Programming M         1. [ENTER] + [IN:         2. Enter [SECTION         Tamper Recogn         [1] EOL Zones         [2] Tamper Recogn         [3] PGM Follows	EOL enabled, No EOL, ATZ e ut Resistor for poptions EOL Value 1K 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 4K7 2K2 3K3 4K7 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 4K7 4K7 4K7 2K2 3K3 4K7 4K7 4K7 2K2 3K3 4K7 4K7 4K7 4K7 4K7 4K7 4K7 4K7	r EOL and Cont rt 1 / Input 2 	Input 3 / Input 4         Input (0/0)           Zone A Value         1K           1K         1K5           3K3         4K7           6K8         4K7           8K2         COM           Zone B (ATZ)         MPER N.C.           V/OFF or enter the require         N/OFF or enter the require           DL         ON = With EOL           Ved ON = Enabled (Z1)         Ventor (Z1)	U Table in the panel's F		Guide.	
SP PECTRA	2         3         Selectable Input         Section         [0402]         Zone Input Option         0         1         2         3         4         5         6         *Default Setting         Programming M         1. [ENTER] + [IN:         2. Enter [SECTION         Tamper Recogn         [1] EOL Zones         [2] Tamper Recogn         [3] PGM Follows         Zone Assignment	EOL enabled, No EOL, ATZ e ut Resistor for poptions EOL Value 1K 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 4K7 2K2 3K3 4K7 4K7 4K7 4K7 4K7 4K7 4K7 4K7	r EOL and Cont r EOL and Cont rt 1 / Input 2 (0/0) ettings Zone A Vertice PER N.C. T Groups 000 to 0 ssired option ON OFF = No EC OFF = Disab OFF = Disab	Input 3 / Input 4         Input (0/0)           Zone A Value         1K           1K         1K5           3K3         4K7           6K8         4K7           8K2         COM           Zone B (ATZ)         MPER N.C.           V/OFF or enter the require         N/OFF or enter the require           DL         ON = With EOL           Ved ON = Enabled (Z1)         Ved ON = Enabled	U Table in the panel's F		Guide.	
E C T R A [650]	2         3         Selectable Input         Section         [0402]         Zone Input Option         0         1         2         3         4         5         6         *Default Setting         Programming M         1. [ENTER] + [Niz         2. Enter [SECTION         [1] EOL Zones         [2] Tamper Recogn         [1] EOL Zones         [2] Tamper Recogn         [3] PGM Follows         Zone Assignme         Enable zone inp	EOL enabled, No EOL, ATZ e ut Resistor for poptions EOL Value 1K 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 4K7 2K2 3K3 4K7 4K7 4K7 4K7 4K7 4K7 4K7 4K7	r EOL and Cont r EOL and Cont rt 1 / Input 2 (0/0) ettings Zone A Vertice PER N.C. T Groups 000 to 0 ssired option ON OFF = No EC OFF = Disab OFF = Disab	Input 3 / Input 4         Input (0/0)           Zone A Value         1K           1K         1K5           3K3         4K7           6K8         4K7           8K2         COM           Zone B (ATZ)         MPER N.C.           V/OFF or enter the require         N/OFF or enter the require           DL         ON = With EOL           Ved ON = Enabled (Z1)         Ventor (Z1)	U Table in the panel's F		Guide.	
	2         3         Selectable Input         Section         [0402]         Zone Input Option         0         1         2         3         4         5         6         *Default Setting         Programming M         1. [ENTER] + [IN:         2. Enter [SECTION         *1] EOL Zones         [2] Tamper Recogn         [1] EOL Zones         [2] Tamper Recogn         [3] PGM Follows         Zone Assignme         Enable zone inp         PGM Timer	EOL enabled, No EOL, ATZ e ut Resistor for poptions EOL Value 1K 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 4K7 4K7 2K2 3K3 4K7 4K7 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 4K7 4K7 4K7 4K7 4K7 4K7	r EOL and Cont rt 1 / Input 2 (0/0) ettings Zone A Vertice APER N.C. T Groups 000 to 0 ssired option ON OFF = No EC OFF = Disab OFF = Disab OFF = Disab	Input 3 / Input 4       Input (0/0)         Zone A Value       1K         1K       1K5         3K3       4K7         6K8       4K7         8K2       COM         Zone B (ATZ)       COM         AMPER N.C.       N/OFF or enter the require         DL ON = With EOL       ON = Enabled (Z1)         Med ON = Enabled       C1 to Z8.	U Table in the panel's F		Guide.	
E C T R A [650] [655]	2         3         Selectable Input         Section         [0402]         Zone Input Option         0         1         2         3         4         5         6         *Default Setting         Programming M         1. [ENTER] + [IN:         2. Enter [SECTION         [1] EOL Zones         [2] Tamper Recogg         [1] EOL Zones         [2] Tamper Recogg         [3] PGM Follows         Zone Assignme         Enable zone inp         PGM Timer         _/ 000 -	EOL enabled, No EOL, ATZ e ut Resistor for pytions Individual S EOL Value 1K 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 4K7 2K2 3K3 4K7 4K7 4K7 4K7 4K7 4K7 4K7 4K7	r EOL and Cont r EOL and Cont rt 1 / Input 2 (0/0) ettings Zone A Vertice PER N.C. T Groups 000 to 0 ssired option ON OFF = No EC OFF = Disab OFF = Disab	Input 3 / Input 4       Input (0/0)         Zone A Value       1K         1K       1K5         3K3       4K7         6K8       4K7         8K2       COM         Zone B (ATZ)       COM         AMPER N.C.       N/OFF or enter the require         DL ON = With EOL       ON = Enabled (Z1)         Med ON = Enabled       C1 to Z8.	U Table in the panel's F		Guide.	
E C T R A [650]	2         3         Selectable Input         Section         [0402]         Zone Input Option         0         1         2         3         4         5         6         *Default Setting         Programming M         1. [ENTER] + [IN:         2. Enter [SECTION         *1] EOL Zones         [2] Tamper Recogn         [1] EOL Zones         [2] Tamper Recogn         [3] PGM Follows         Zone Assignme         Enable zone inp         PGM Timer	EOL enabled, No EOL, ATZ e ut Resistor for pytions Individual S EOL Value 1K 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 4K7 2K2 3K3 4K7 4K7 4K7 4K7 4K7 4K7 4K7 4K7	r EOL and Cont rt 1 / Input 2 (0/0) ettings Zone A Vertice APER N.C. T Groups 000 to 0 ssired option ON OFF = No EC OFF = Disab OFF = Disab OFF = Disab	Input 3 / Input 4       Input (0/0)         Zone A Value       1K         1K       1K5         3K3       4K7         6K8       4K7         8K2       COM         Zone B (ATZ)       COM         AMPER N.C.       N/OFF or enter the require         DL ON = With EOL       ON = Enabled (Z1)         Med ON = Enabled       C1 to Z8.	U Table in the panel's F		Guide.	
E C T R A [650] [655]	2         3         Selectable Input         Section         [0402]         Zone Input Option         0         1         2         3         4         5         6         *Default Setting         Programming M         1. [ENTER] + [IN:         2. Enter [SECTION         [1] EOL Zones         [2] Tamper Recogg         [1] EOL Zones         [2] Tamper Recogg         [3] PGM Follows         Zone Assignme         Enable zone inp         PGM Timer         _/ 000 -	EOL enabled, No EOL, ATZ e III Resistor for III R EOL Value IK 2K2 3K3 4K7 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 4K7 4K7 4K7 4K7 4K7 4K7	r EOL and Cont r EOL and Cont rt 1 / Input 2 (0/0) ettings Zone A PER N.C. T Groups 000 to 0 Sired option ON OFF = No EC OFF = Disab OFF = Disab I to [8], represer = Follow Deacti	Input 3 / Input 4       Input (0/0)         Zone A Value       1K         1K       1K5         3K3       4K7         6K8       4K7         8K2       COM         Zone B (ATZ)       COM         AMPER N.C.       N/OFF or enter the require         DL ON = With EOL       ON = Enabled (Z1)         Med ON = Enabled       C1 to Z8.	U Table in the panel's F		Guide.	
E C T R A [650] [655]	2         3         Selectable Input         Section         [0402]         Zone Input Option         0         1         2         3         4         5         6         ************************************	EOL enabled, No EOL, ATZ e III Resistor for III R EOL Value IK 2K2 3K3 4K7 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 4K7 4K7 4K7 4K7 4K7 4K7	r EOL and Cont r EOL and Cont rt 1 / Input 2 (0/0) ettings Zone A Zone A PER N.C. T Groups 000 to 0 Sesired option ON OFF = No EC OFF = Disab OFF = Disab I to [8], represent = Follow Deacti [60] Tamper :	Input 3 / Input 4 Input (0/0) Zone A Value 1K 1K5 3K3 4K7 6K8 4K7 6K8 4K7 8K2 COM Zone B (ATZ) AMPER N.C. 155 can be used. See PGI N/OFF or enter the require DL ON = With EOL Idd ON = Enabled (Z1) Idd ON = Enabled the inputs Z1 to Z8. ivation Event. zone opened	U Table in the panel's F		Guide.	
E C T R A [650] [655]	2         3         Selectable Input         Section         [0402]         Zone Input Option         0         1         2         3         4         5         6         ************************************	EOL enabled, No EOL, ATZ e III Resistor for Poptions FOL Value 1K 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K3 2K3 4K7 2K3 2K3 2K3 2K3 2K3 2K3 2K3 2K3	r EOL and Cont r EOL and Cont rt 1 / Input 2 (0/0) ettings Zone A PER N.C. T Groups 000 to 0 besired option ON OFF = No EC OFF = Disab OFF = Disab OFF = Disab I to [8], represer = Follow Deacti [60] Tamper : [61] Tamper :	Input 3 / Input 4 Input (0/0) Zone A Value 1K 1K5 3K3 4K7 6K8 4K7 6K8 4K7 6K8 4K7 8K2 COM Zone B (ATZ) T T T T T T T T	U Table in the panel's F		Guide.	
E C T R A [650] [655]	2         3         Selectable Input         Section         [0402]         Zone Input Option         0         1         2         3         4         5         6         ************************************	EOL enabled, No EOL, ATZ e III Resistor for Poptions FOL Value 1K 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K3 2K3 4K7 2K3 2K3 2K3 2K3 2K3 2K3 2K3 2K3	r EOL and Cont r EOL and Cont rt 1 / Input 2 (0/0) ettings Zone A PER N.C. T Groups 000 to 0 ssired option ON OFF = No EC OFF = Disab OFF = Disab OFF = Disab I to [8], represer = Follow Deacti [60] Tamper : [61] Tamper : [1] to [8] Zon	Input 3 / Input 4 Input (0/0) Zone A Value 1K 1K5 3K3 4K7 6K8 4K7 6K8 4K7 8K2 COM Zone B (ATZ) AKTZ 55 can be used. See PGI V/OFF or enter the requir DL ON = With EOL N/OFF or enter the requir DL ON = Enabled (Z1) N/OFF or enter the requir DL ON = Enabled (Z1) N/OFF or enter the requir COM AMPER N.C.	U Table in the panel's F		Guide.	
E C T R A [650] [655] [656]	2         3         Selectable Input         Section         [0402]         Zone Input Option         0         1         2         3         4         5         6         ************************************	EOL enabled, No EOL, ATZ e III Resistor for Poptions EOL Value 1K 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 4K7 4K7 4K7 4K7 4K7 4K7	r EOL and Cont r EOL and Cont rt 1 / Input 2 (0/0) ettings Zone A PER N.C. T Groups 000 to 0 besired option ON OFF = No EC OFF = Disab OFF = Disab OFF = Disab I to [8], represer = Follow Deacti [60] Tamper : [61] Tamper :	Input 3 / Input 4 Input (0/0) Zone A Value 1K 1K5 3K3 4K7 6K8 4K7 6K8 4K7 8K2 COM Zone B (ATZ) AKTZ 55 can be used. See PGI V/OFF or enter the requir DL ON = With EOL N/OFF or enter the requir DL ON = Enabled (Z1) N/OFF or enter the requir DL ON = Enabled (Z1) N/OFF or enter the requir COM AMPER N.C.	U Table in the panel's F		Guide.	
E C T R A [650] [655]	2         3         Selectable Input         Section         [0402]         Zone Input Option         0         1         2         3         4         5         6         ************************************	EOL enabled, No EOL, ATZ e III Resistor for Poptions EOL Value IIK 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 4K7 2K2 3K3 4K7 4K7 4K7 4K7 4K7 4K7 4K7 4K7	TEOL and Cont TEOL and Cont at 1 / Input 2 (0/0) ettings Zone A PER N.C. T Groups 000 to 0 Sired option ON OFF = No EC OFF = Disab OFF = Disab OFF = Disab OFF = Disab I to [8], represer = Follow Deacti [60] Tamper : [61] Tamp	Input 3 / Input 4 Input (0/0) Zone A Value 1K 1K5 3K3 4K7 6K8 4K7 6K8 4K7 8K2 COM Zone B (ATZ) T T T T T T T T	U Table in the panel's F		Guide.	
E C T R A [650] [655] [656]	2         3         Selectable Input         Section         [0402]         Zone Input Option         0         1         2         3         4         5         6         ************************************	EOL enabled, No EOL, ATZ e III Resistor for Poptions EOL Value IIK 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 4K7 2K2 3K3 4K7 4K7 4K7 4K7 4K7 4K7 4K7 4K7	TEOL and Cont TEOL and Cont at 1 / Input 2 (0/0) ettings Zone A PER N.C. T Groups 000 to 0 Sired option ON OFF = No EC OFF = Disab OFF = Disab OFF = Disab I to [8], represer = Follow Deacti [60] Tamper : [61] Tamper : [61] Tamper : [61] Tamper : [61] Tamper : [60] Tamper	Input 3 / Input 4 Input (0/0) Zone A Value 1K 1K5 3K3 4K7 6K8 4K7 6K8 4K7 8K2 COM Zone B (ATZ) COM Zone B (ATZ) (ATZ) (COM Zone B (ATZ) (COM Zone B (ATZ) (COM COM Zone B (ATZ) (COM COM COM COM E (ATZ) (COM COM COM COM COM COM COM COM	U Table in the panel's F		Guide.	
E C T R A [650] [655] [656]	2         3         Selectable Input         Section         [0402]         Zone Input Option         0         1         2         3         4         5         6         ************************************	EOL enabled, No EOL, ATZ e III Resistor for Poptions EOL Value IIK 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 4K7 2K2 3K3 4K7 4K7 4K7 4K7 4K7 4K7 4K7 4K7	TEOL and Cont TEOL and Cont at 1 / Input 2 (0/0) ettings Zone A PER N.C. T Groups 000 to 0 Sired option ON OFF = No EC OFF = Disab OFF = Disab OFF = Disab OFF = Disab I to [8], represer = Follow Deacti [60] Tamper : [61] Tamp	Input 3 / Input 4 Input (0/0) Zone A Value 1K 1K5 3K3 4K7 6K8 4K7 6K8 4K7 8K2 COM Zone B (ATZ) COM Zone B (ATZ) (ATZ) (COM Zone B (ATZ) (COM Zone B (ATZ) (COM COM Zone B (ATZ) (COM COM COM COM E (ATZ) (COM COM COM COM COM COM COM COM	U Table in the panel's F		Guide.	
E C T R A [650] [655] [656]	2         3         Selectable Input         Section         [0402]         Zone Input Option         0         1         2         3         4         5         6         ************************************	EOL enabled, No EOL, ATZ e III Resistor for Poptions FOL Value 1K 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 2K2 3K3 4K7 4K7 4K7 4K7 4K7 4K7 4K7 4K7	TEOL and Cont TEOL and Cont at 1 / Input 2 (0/0) ettings Zone A PER N.C. T Groups 000 to 0 Sired option ON OFF = No EC OFF = Disab OFF = Disab OFF = Disab OFF = Disab I to [8], represent [60] Tamper : [61] Tamper :	Input 3 / Input 4 Input (0/0) Zone A Value 1K 1K5 3K3 4K7 6K8 4K7 6K8 4K7 8K2 COM Zone B (ATZ) COM Zone B (ATZ) (ATZ) (COM Zone B (ATZ) (COM Zone B (ATZ) (COM COM Zone B (ATZ) (COM COM COM COM E (ATZ) (COM COM COM COM COM COM COM COM	U Table in the panel's F		Guide.	

## Warranty

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