KZ715I Isolator Base Installation Sheet

EN

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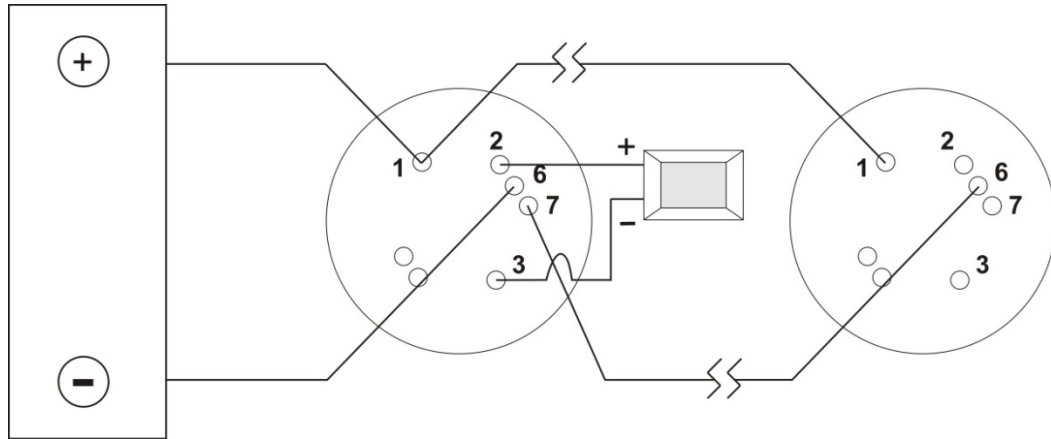
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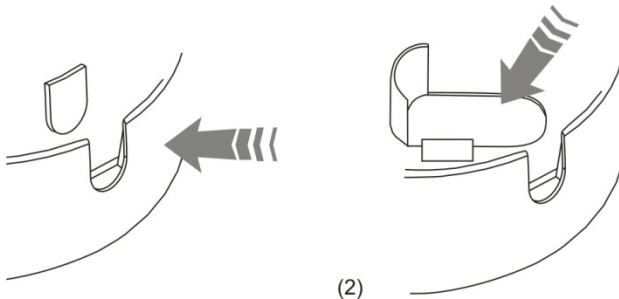
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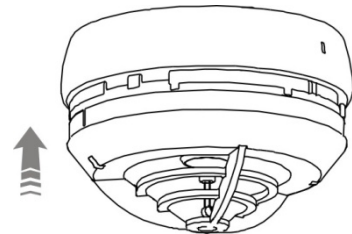

EN: Installation Sheet

Description

The KZ715I Isolator Base combines a detector base and an isolator module. The isolator protects the loop from the effects of a short circuit by isolating the affected part of the cable. A LED on the side of the base indicates the status of the isolator. The isolator base is compatable with the KL700A addressable detector series.

This device can also be used with the KZ715CAP as a standalone isolator.

Figures

Figure 1: Terminal connections

Terminal 1 = Line in (positive)
Terminal 2 = Remote indicator (positive)
Terminal 3 = Remote indicator (negative)
Terminal 6 = Line in (negative)
Terminal 7 = Line out (negative)

Figure 2: Cable connection

(1) Cable side entry tab
(2) Cable back of base entry

Figure 3: Installing the detector head

Installation

Caution: For general guidelines on system planning, design, installation, commissioning, use, and maintenance, refer to the EN 54-14 standard and local regulations.

Polarity must be observed to ensure full functionality with all compatible devices.

Wiring

Caution: To ensure correct operation of your system, you must follow the cabling practices described below.

The cable used should have maximum resistance of 13.3 Ω/km per core.

Direct cable connection

The KZ715I Isolator Base allows for cable connection from the side by breaking the cable entry tab (see Figure 2, item 1), or from behind the base (see Figure 2, item 2).

To install the detector insert the detector head into the mounting base and rotate anticlockwise until it clicks into place (see Figure 3).

Maintenance and testing

Basic maintenance consists of a yearly visual inspection and the test shown below. Do not modify the internal wiring or circuitry.

To test the isolator:

1. Remove the detector head or the isolator cap from the base.

2. Test the isolator by creating a short circuit between terminals 1 and 6, and verifying that the isolator status LED indicates this action. Repeat this test using terminals 1 and 7.

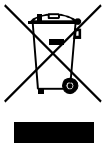If the LED doesn't respond correctly, check all wiring connections.

Specifications

Operating voltage	18.5 to 39 VDC (36 VDC nominal)
Current consumption: Standby Isolated Passing	< 240 µA < 7 mA 800 max
Line resistance	< 0.1 Ω
Number of terminals	5
Earth contact	Yes
Remote indicator option	Yes
IP rating	IP30
Operating temperature Storage temperature Relative humidity	−10 to +55ºC −10 to +70ºC 10 to 95% noncondensing
Colour	White
Dimensions (Ø × H)	100 × 29 mm
Weight	49 g

Regulatory information

This section includes both regulatory information and a summary on the declared performance according to the Construction Products Regulation 305/2011. For detailed information refer to the product Declaration of Performance.

Certification	CE
Certification body	0370
Declaration of Performance number	360-4109-1899
Year of first CE marking	12
Product identification	KZ715I
Intended use	See DoP point 9
Essential characteristics	See DoP point 7
Manufacturer	United Technologies Safety System Co. Ltd. 80, Changjiang East Road, QETDZ, Qinhuangdao, Hebei Province, China 066004 Authorized EU manufacturing representative: UTC Fire & Security B.V. Kelvinstraat 7, 6003 DH Weert, Netherlands
	2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info.

Contact information

For contact information, see www. utcfssecurityproducts.eu.