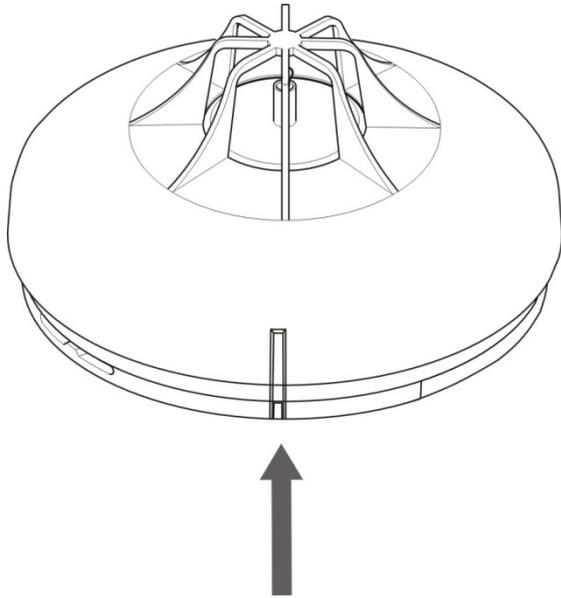
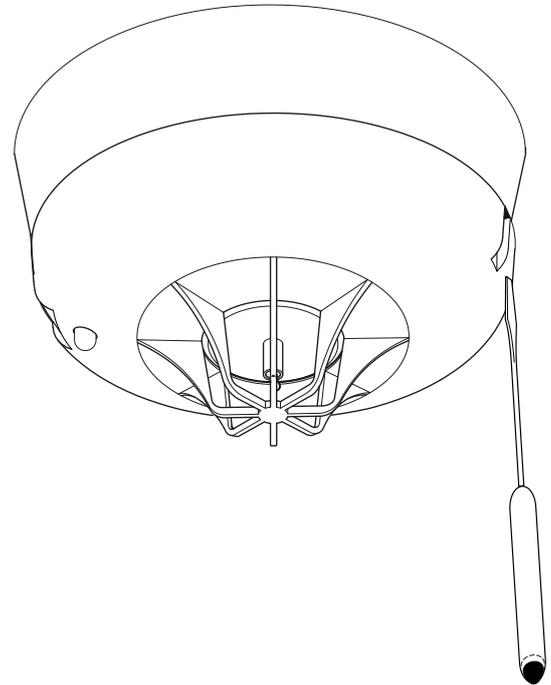


Z600 Series Conventional Detector Installation Sheet

1



2



Description

Z600 Series Conventional Detector models are shown in Table 1.

Table 1: Models

Number	Description	EN 54 temperature classification
Z620-581-3P	Fixed temperature heat detector, Polar white	Class A (58°C)
Z620-582-3P	Rate of rise heat detector, Polar white	Class A1R (58°C)
Z620-771-3P	High temperature heat detector, Polar white	Class B (77°C)
Z630-3P	Optical smoke detector, Polar white	N/A
Z630-3S30	Optical smoke detector, Polar white, Chubb	N/A

Figures

Figure 1: Position of the locking tab

Figure 2: Removing a locked detector

Installation

Note: No wiring is required between the detector and the base. Refer to base datasheet for line wiring installation. The installation should be in accordance with the requirements of the authority having jurisdiction.

The detector attaches to compatible bases with a plug-and-twist action.

To attach the detector to the mounting base:

1. Align the unit to the base, and then slowly turn until the location pin on the detector base engages with the slot on the detector moulding.

2. Rotate the detector clockwise until it clicks into position.
The detector may be locked into the mounting base if required. To do this, remove the locking tab (Figure 1) before installation.
3. Prior to initial testing remove the yellow plastic dust cover from the detector. (For all tests notify the proper authorities that the fire alarm system is undergoing maintenance and will be temporarily out of service).
4. To allow easy zone identification, an indent is provided on the detector exterior for application of a zone number label.

For head out continuity, a diode base must be used and zone wiring must be terminated with a suitable end of line (EOL) component. The choice of EOL is dependant on the control panel used (refer to control panel documentation). For control panels with a head out facility, an active end of line unit must be used.

To remove a locked detector:

1. Insert a small screwdriver into the locking tab slot as shown in Figure 2.
2. Press the screwdriver to disengage the lock, and then rotate the detector anticlockwise to remove it.

Maintenance

Maintenance should be planned in accordance with the requirements of the authority having jurisdiction.

Specifications

Operating voltage	
Z620-581-3P	12 to 30 VDC
Z620-582-3P	12 to 30 VDC
Z620-771-3P	12 to 30 VDC
Z630-3P, Z630-3S30	15 to 30 VDC
Current	
Quiescent	<60 µA at 24 VDC
Alarm	50 mA max. (limited by panel)
Monitoring	
Overall Base	Continuously self-checking Open and short circuit by end of line resistor
Diode base	Open and short circuit, and head out continuity with suitable end of line (EOL) component.
Indication	Alarm LED (red)
Area coverage	
Z620-581-3P	50m ² , subject to local codes
Z620-582-3P	50m ² , subject to local codes
Z620-771-3P	50m ² , subject to local codes
Z630-3P, Z630-3S30	100m ² , subject to local codes
Compatibility	Compatible 24 VDC conventional systems
Compatible mounting bases	Z6-BS1P, Polar white Z6-BS5P, Polar white
Mounting	Plugs into surface base

Environmental	
Application	Indoor use
Temperature range	-20 to 15°C above temp rating
Relative humidity	20 to 95%, noncondensing
Storage temperature	-20 to +70°C
IP rating	
Z620-581-3P	IP55
Z620-582-3P	IP55
Z620-771-3P	IP55
Z630-3P, Z630-3S30	IP32
Mechanical details	
Material	Moulded ABS
Dimensions (Ø x H)	106 x 52 mm (excluding base)
Height	60 mm (from ceiling with surface – mount base)
Weight	
Z620-581-3P	105 g (excluding base)
Z620-582-3P	105 g (excluding base)
Z620-771-3P	105 g (excluding base)
Z630-3P, Z630-3S30	100 g (excluding base)

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	
Certification body	0370
Declaration of Performance number	
Z620-581-3P	360-4211-0599
Z620-582-3P	360-4211-0899
Z620-771-3P	360-4211-0699
Z630-3P, Z630-3S30	360-4211-0799
Year of first CE marking	05
Product Identification	Z620-581-3P, Z620-582-3P, Z620-771-3P Z630-3P, Z630-3S30
Intended use	See DoP point 3
Essential characteristics	See DoP point 9
Manufacturer	Gulf Security Technology 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
European Union directives	1999/5/EC (R&TTE directive): Hereby, UTC Fire & Security declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. 2002/96/EC (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.utcssecurityproducts.eu.