

ZP752-2 Monitored Dual Output Module Installation Sheet

Description

The ZP752-2 provides two conventional output circuits (Circuit 1 and Circuit 2) for operating polarized sounders, visual indicators, and controls for ancillary equipment. Output 1 and Output 2 share the same address and therefore switch on and off at the same time.

The module comprises a front plate and a backbox. The front plate houses the electronic components and plugs into the backbox. The backbox provides the screw terminals for connecting the field wiring.

The bicolor LED on the front plate indicates the status of the module (off = normal condition, red = active condition, amber = fault condition). There is space provided next to the LED to attach an address label, if desired.

WARNING: This module will NOT operate without electrical power. As fires frequently cause power interruption, we suggest you discuss further safeguards with your local fire protection specialist.

Installation

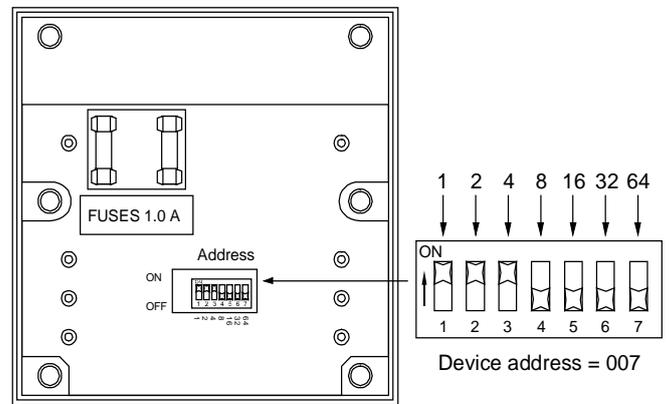
1. Remove the front plate from the backbox.
2. Drill out center hole in the backbox and run wires into the module.
3. Remove appropriate knockouts on the backbox for mounting to a conduit box. Mount the backbox to the conduit box.
4. Make all wiring connections as shown in the wiring diagram (Figure 2).
5. Set the address switch for the module. See "Address switch settings" below (Figure 1).
6. Attach the address label to the indent that is on the front of the module.
7. Secure the front plate to the backbox with the two screws provided.

Address switch settings

SW1 is used to assign device addresses. Each switch segment has a decimal value as shown in Figure 1.

The sum of all the switch segments in the ON position determines the device address. You can set the device address to any value between 001 and 127 that is not used by another device on the same loop. For example, to select a device address of 007 you must set SW1-1, SW1-2, and SW1-3 to the ON position and the remaining switch segments to the OFF position.

Figure 1: Address switch settings



Front plate - rear view

Wiring

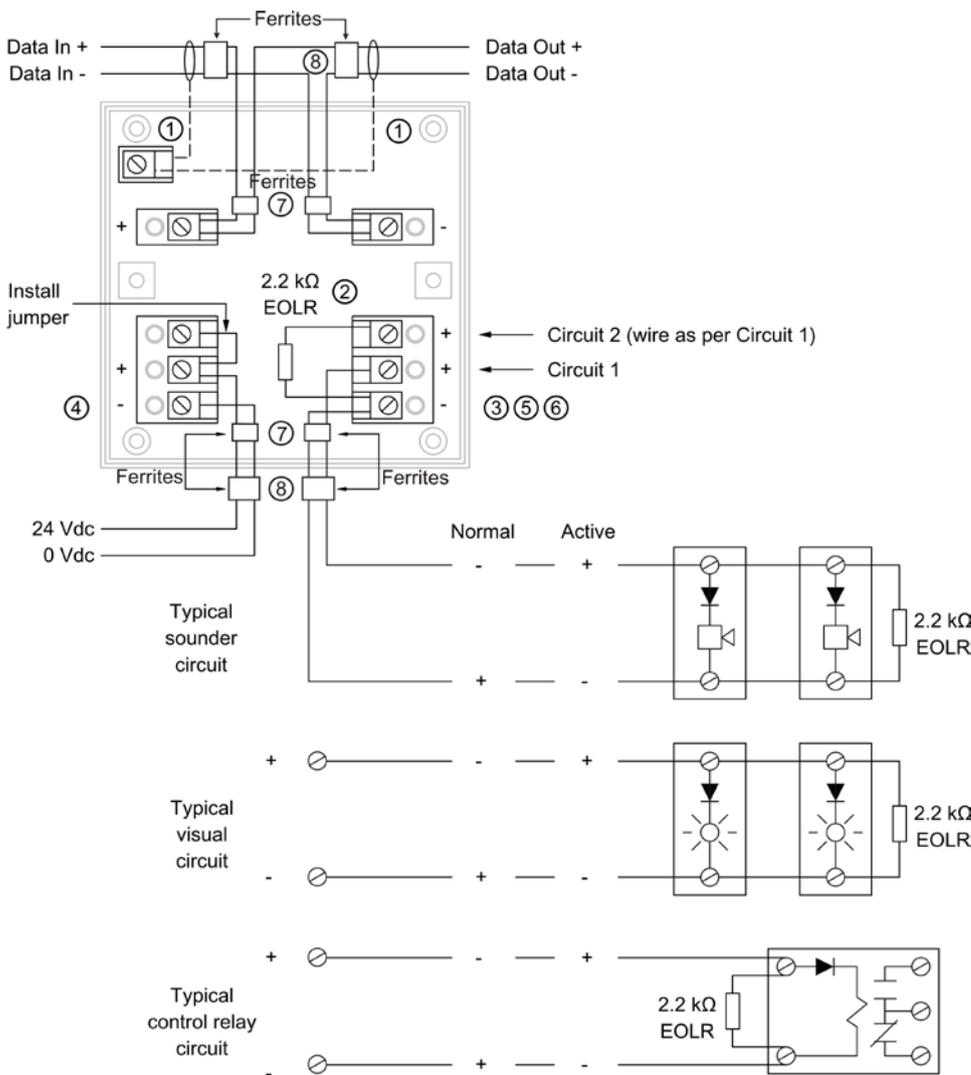
Field wiring connections are shown in Figure 2.

Run the wires through a hole in the backbox and connect them to the screw terminals as shown.

Specifications

Application	Indoor use
Power supply requirements	
External power supply	22 to 30 VDC
Loop power	20 volt pulsed analogue loop
Max line drop	2V
Current	
Standby	600 μ A
Activated	700 μ A
IP rating	42
Mounting	Surface
Construction	Moulded ABS
Colour	White
Dimensions (W x H x D)	120 x 120 x 40 mm
Gross weight	310 g
Initiating device circuits (IDC)	
Output current	1 A at 24 VDC per circuit
EOL resistor value	2.2 K Ω
Operating environment	
Temperature	-10 to +70°C
Relative humidity	20 to 95% noncondensing
Storage temperature	-10 to +70°C

Figure 2: Wiring diagram



Notes

1. Screened cable.
2. EOLR required if circuit is not used.
3. Terminal marking (plus/minus) indicates signal polarity when the circuit is active. The polarity reverses when the circuit is not active.
4. Signal source must be CE and EN54-4 compliant. The jumper must be connected.
5. Each output circuit provides up to 1 A at 24 VDC. Each output circuit has a 1 A fuse. Fuses are monitored by the panel.
6. Devices connected to the output circuit must be polarized as shown. If non-polarized devices are used, insert a 1N4002/7 diode in the positive leg of each device, with the stripe facing the device. For inductive loads (relays etc), fit a Bipolar Transient Protector (P/N 235196P) across the coil.
7. Attach the supplied ferrites to cables as shown in Figure 2 (internal to the module).
8. The following ferrite core needs to be fitted to all cables (externally to the module): TDK ZCAT3055-1330.

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	360-5221-0199
Year of first CE marking	10
Product Identification	ZP752-2
Intended use	See DoP point 3
Essential characteristics	See DoP point 9
Manufacturer	United Technologies Safety System Co., Ltd. 80, Changjiang East Road, QETDZ, 066004 Qinhuangdao HEBEI, China 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.



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.utcssecurityproducts.eu.