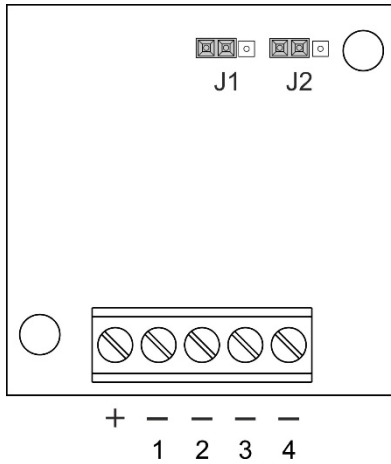


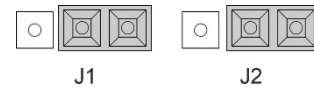
AI672/AI673 Remote LED Indicator Installation Sheet

EN

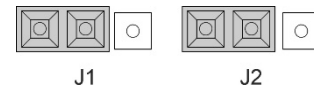
1



2



3



EN: Installation Sheet

Description

The Aritech AI672 and AI673 remote LED indicators provide external alarm indications for a detector that is out of view or in an enclosed area.

Model	Description
AI672	Optical alarm indicator
AI673	Optical/acoustic alarm indicator

The AI672 provides a visual alarm indication with two 10 mm red LEDs. The AI673 provides both visual and audible alarm indications. It has two 10 mm red LEDs and a local buzzer.

The indicators may be used with most types of addressable and conventional alarm detectors. They operate in a 'conventional' mode and simply require DC power for operation.

Both models have the same modern housing design suitable for indoor environments.

Note: The AI673 indicator is NOT intended to replace a fire alarm sounder. It is ONLY intended as a local indication to identify a detector in alarm.

Figures

Figure 1: PCB with connector and J1/J2 jumpers

Figure 2: Steady LED configuration (J1, J2 jumpers)

Figure 3: Flashing LED configuration (J1, J2 jumpers)

Installation

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

The indicators may be wall or ceiling mounted using their universal mounting plate.

Wiring

Cable insertion is made through the back of the indicator. The wiring terminals have entrance diodes that allow connection of up to four detectors to the indicator. The indicators are protected against accidental polarity reversal.

Terminal	Connection
+	Positive line of supply wiring
-1	Remote indicator output of detector 1
-2	Remote indicator output of detector 2
-3	Remote indicator output of detector 3
-4	Remote indicator output of detector 4

A wiring diagram is included on the label on the inside of the device cover.

Configuration

Jumpers J1 and J2 are used to set the operating mode of the indicator – flashing (on/off with 50% duty cycle) or steady mode. The specific positions of the jumpers are indicated in Figure 2 and Figure 3.

In the AI673 indicator, the buzzer always sounds intermittently. The jumper selection only affects the LEDs, which can work intermittently or continuously.



Maintenance

Basic maintenance consists of a yearly inspection. Do not modify internal wiring or circuitry.

Specifications

Operating voltage	6 to 28 VDC
Current consumption	
Standby	0 mA
Nominal	4 mA
Alarm	
AI672	7 mA at 28 VDC
AI673	7.5 mA at 28 VDC
Number of terminals	5
Wire size	
Minimum	0.75 mm ² (18 AWG)
Maximum	1.5 mm ² (15 AWG)
Visual indication	
LEDs	2
Colour	Red
Rating	200 µcd
Flash frequency	±1.3 Hz ±78 flashes/min
Buzzer	
Output level	80 dB @ 10 cm
Frequency	4 kHz
Selectable tones	1
Mounting	
Mounting type	Base mount
Mounting location	Ceiling, wall
Mountng base	Shallow
IP rating	IP30
Environmental	
Operating temperature	-10 to +55°C
Storage temperature	-10 to +70°C
Relative humidity	10 to 95% (noncondensing)
Colour	White (RAL 9010)
Weight	± 55 g
Dimensions	80 x 30 x 80 mm

Regulatory information

Conformity	
Manufacturer	Thunderous Sounders Electronics Co. Ltd., No, 21, Kai Fe 3rd, Pao En Industrial Area, Ren De Village, Tainan, Taiwan, R.O.C. Authorized EU manufacturing representative: Carrier 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: recyclethis.info .

Contact information and product documentation

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