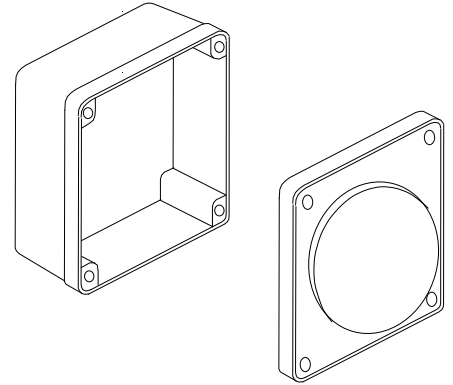




General Description

The MAGDUO IP55 Strobe device provides visual indication when the system enters an alarm condition. This device is compatible with the MAGDUO 2-wire range of Fire Alarm equipment and comprises a 2-wire zone-powered visual indication beacon. This device may be installed on the same zone as the FlexiPoint detector/sounder and associated MAGDUO devices.



Before Installation

The MAGDUO IP55 Strobe must be installed in compliance with the control panel installation manual. The installation must also meet the requirements of any local authority. For maximum performance the MAGDUO IP55 Strobe should be installed in compliance with BS5839 Pt1 : 2017.

Spacing

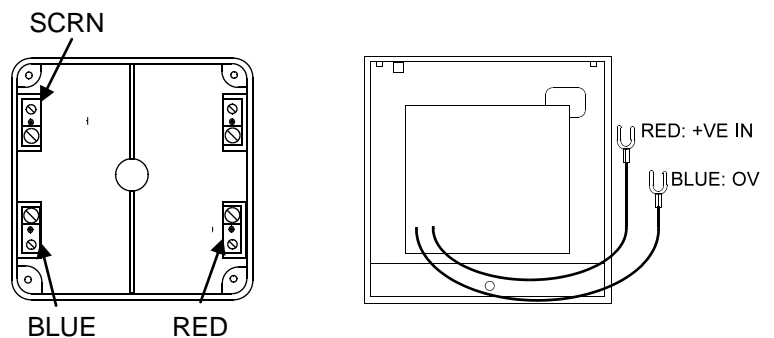
It is recommended spacing of sounders and strobes in accordance with BS5839 Pt1. For more specific information regarding spacing, placement and special applications please refer to BS5839 Pt1 : 2017.

Device Installation

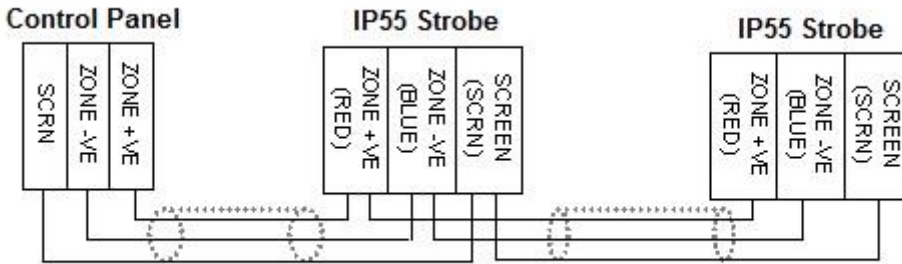
Pre-drill a minimum of 2 fixing holes in the back box as required. Fix the back box in a suitable position, remembering to allow enough space for the correct termination of the appropriate fire resistant cable. All wiring must be installed in compliance with the recommendations laid out by BS5839 Pt1 : 2017 as well as any special recommendations documented in the control panel installation manual.

Connections

The cabling used should be 2-core 1.5mm² screened/earthed and fire resistant, of an MICC or FP200 equivalent type and is to be in the form of a 2-core radial circuit terminating at the End of Line device. Cables may be terminated into the connectors mounted in the back box, as shown below. Also please ensure that you use suitable cable glands for cable entry in order to maintain the IP rating.



Care should be taken when terminating devices to ensure all cables are correctly sleeved and connections are secure. Improper connections will prevent a system from responding properly in the event of a fire. Please remember that all high voltage testing must be carried out before the installation of unit as this may cause damage. It is important to maintain the screen continuity in order to protect against data corruption from interference.



MAGDUO IP55 Strobe can be mixed on the same zone as other types of MAGDUO device. The above diagram shows how to make the zone positive, zone negative and screen connections between the control panel and MAGDUO IP55 Strobe. Refer to the instruction leaflets supplied with other MAGDUO devices for their equivalent wiring/terminal labelling details.

Please note that the SCRNM terminal in the MAGDUO IP55 Strobe back boxes should only be connected to the zone cable screen and NOT to the building earth. The cable screen is connected to earth at the panel end only, via the zone “SCRNM” terminal (or EARTH terminal on the MAGDUO panel).

Once all testing has been carried out on the cabling and ‘continuity & integrity’ has been proven, the MAGDUO IP55 Strobe unit may be assembled. The MAGDUO IP55 Strobe is installed by pushing the front unit gently home. The four fixing screws may then be tightened as required.

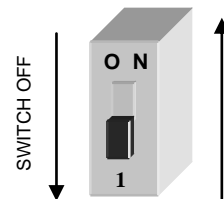
Remember that the device at the end of the line must have its EOL signal activated using the relevant DIL switch. Do not use a resistor or capacitor (or another manufacturer’s End of Line device) as the end of line, as this may prevent correct operation of the zone.

DIL Switch Settings

The device DIL switches may be used to program the operation of the MAGDUO IP55 Strobe Beacon.

They may be altered whilst the device is still powered or the system may be powered down completely.

The last device on the circuit must have the EOL signal enabled (switch number 1 in the ‘ON’ position).



		DIL SWITCH SETTINGS
		1
End of line	Enabled	ON
	Disabled	OFF

Technical Data

Dimensions	Width	115mm
	Height	115mm
	Depth	70mm
Operating temperature		-10°C to +50°C.
Voltage Ranges	Mains Powered.. . . .	25.5 to 35V DC
	Battery Powered	20 to 26V DC
Operating Current	Quiescent	428 uA (Typical)
	Beacon	5 mA
Max Loading	Units per zone	160 DLU
	Beacon	33.0 DLU
LED Operation	EOL indication	5 second interval
Beacon Operation	Period	1s
	Flash Duration	15 ms
Flammability		UL94-V2
IP Rating		IP55
Part Code		MAGDUOSIP55

Technical Support

Due to the complexity and inherent importance of a life risk type system, training on this equipment is essential, and commissioning should only be carried out by competent persons.

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