600-0092 Remote LED

General Description

The Remote Indication LED is a high quality LED indicator specifically designed for use in fire alarm systems. It incorporates a high-intensity wide-angle red LED which is clearly visible from the front of the plate when active. Its primary use is to indicate the activation of hidden or out-of-sight fire detectors. The front label includes a white 'write on' panel allowing installers to add their own personalized text. This device is designed for direct compatibility with Fike fire alarm systems but may also be utilised with other manufacturers equipment depending on their specification.

Before Installation

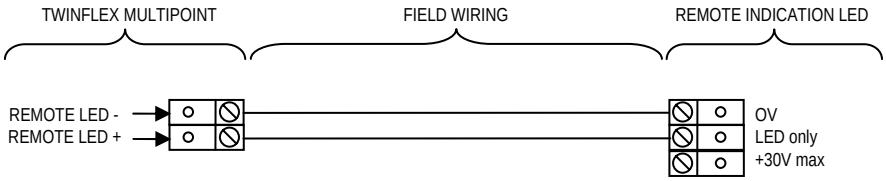
The remote LED must be installed in compliance with the control panel installation manual. The installation must also meet the requirements of any local authority. For maximum performance the remote LED should be installed in compliance with BS5839 Pt1 : 2002 + A2 : 2008.

Device Installation

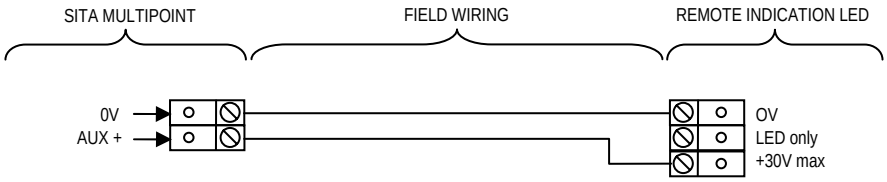
All wiring must be installed in compliance with the recommendations laid out by BS5839 Pt1 : 2002 as well as any special recommendations documented in the control panel installation manual. **The cabling used should be of a 2-core 1.5mm^2 screened, fire resistant type.** Cables may be terminated into the connectors, as shown below. 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.

Once all testing has been carried out on the cabling and **continuity & insulation** has been proven, the remote indicator can be connected.

For connection to the **Twinflex** Multipoint Detector use the **OV** and **LED only** terminals.



For connection to the **Sita** Multipoint Detector use the **OV** and **+30V max** terminals (this includes the required 10K resistor).



If connecting the Remote Indication LED to a non-current limited source (i.e. a fire alarm sounder circuit), you must use the **0V** & **+30V Max** terminals (the +30V DC Max. input has an in-built current limiter utilizing a 10K resistor to prevent damage to the unit). Failure to connect a non-current limited source in this way may render the unit inoperable.

Testing

Ensure that the detector connected to the Remote Indication LED is triggered into the fire state in order to ensure that the LED operates satisfactorily.

Technical Data

Dimensions:	Width x Height x Depth	85mm x 85mm x 15mm
Operating temperature:		-10^{o}C to +50^{o}C.
Voltage Range:		10 to 32V DC
LED Indication:	Sita Detector	Continuous: Detector in Alarm
	Twinflex Detector	5ms every 5 seconds: End of Line 5ms every 1.3 seconds: Fault 350ms every 0.7 seconds: Fire detected by detector Continuous: Fire detected by detector and processed by panel
	Third Party Systems	As per output from Third Party System
System Compatibility:		Twinflex all versions Sita200plus V2.00 onwards. Duonet and Quadnet V1 onwards.

PRODUCT DESCRIPTION			LOOP CURRENT (mA)				
Type	Product Code	Name	Quiescent	Alarm	Low	Medium	High
ANCILLARY	600 0012	Remote Indicator	0	0.50	-	-	-

			BATTERY CURRENT (mA)				
Type	Product Code	Name	Quiescent	Alarm	Low	Medium	High
ANCILLARY	600 0012	Remote Indicator	0	1.04	-	-	-

			DLU RATING			
Type	Product Code	Name	Alarm	Low	Medium	High
ANCILLARY	600 0012	Remote Indicator	0.5	-	-	-

N.B. The above figures are when used with addressable detectors on Sita, Duonet or Quadnet systems. When used with Twinflex detectors, there is no additional current drawn.

Technical Support

Contact your supplier for technical support on this product.

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. Fike cannot guarantee the operation of any equipment unless all documented instructions are complied with, without variation.

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