FIKE SAFETY TECHNOLOGY LTD.

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General Description

The Twinflex Flashpoint device allows for audible and visual indication when the system enters an alarm condition. This device is compatible with the Twinflex 2-wire range of Fire Alarm equipment and comprises of a 2-wire zone-powered sounder. This device may be installed on the same zone as the Multipoint detector/sounder and associated Twinflex devices.

Before Installation

The Flashpoint must be installed in compliance with the control panel installation manual. The installation must also meet the requirements of any local authority.

Spacing

Fike recommends spacing of sounders and strobes in accordance with requirements of any local authority.

Device Installation

All wiring must be installed in compliance with the recommendations laid out by any local authority 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 (e.g. FP200 equivalent), and is to be wired in the form of a screened 2-core radial circuit (with no spurs) from the control panel, terminating at the last ("End of Line") device.

Fix the base in a suitable position using the two screw slots provided remembering to allow enough cable length for termination. You may then terminate your cables directly into the terminal block according to the terminal labels.
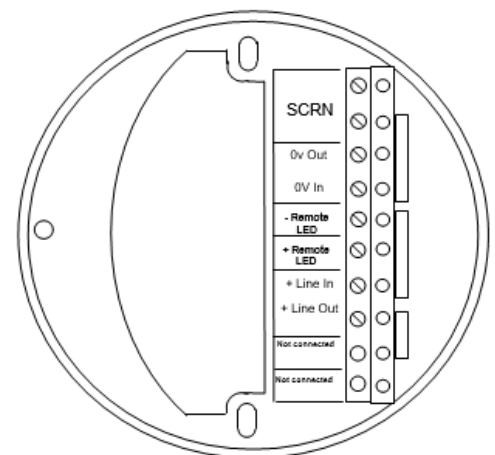
Once all testing has been carried out on the cabling and 'continuity & integrity' has been proven, the Flashpoint unit may be fitted. To insert the Electronics Module, locate the pins and gently push it home. To fit the translucent cover, gently offer it into the base, rotating the cover until it drops in and clicks into its locked position.
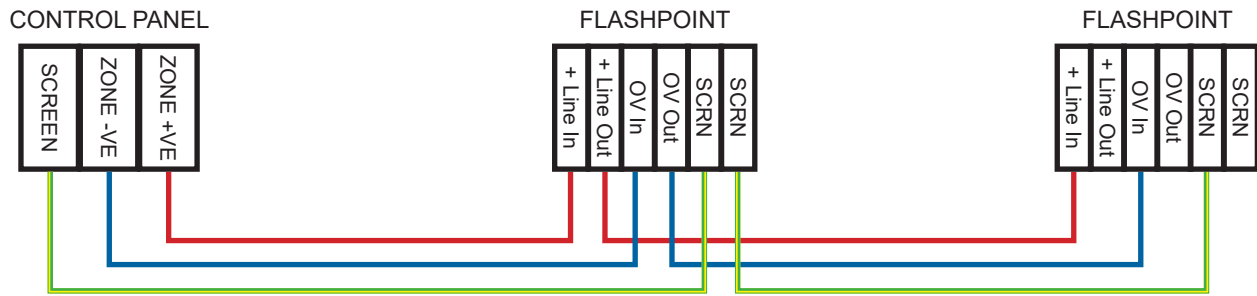
Please remember that all high voltage testing must be carried out before the installation of the Flashpoint front unit otherwise the electronics will be damaged.

THIS DEVICE IS NOT COMPATIBLE WITH THE TWINFLEX SRP PANEL.

Terminal	Description
SCRN	Screen
0V Out	Zone -ve out to next device
0V In	Zone –ve in from panel (or previous device)
– Remote LED	Remote LED output -ve (not in use)
+ Remote LED	Remote LED output +ve (not in use)
+ Line In	Zone +ve in from panel (or previous device)
+ Line Out	Zone +ve out to next device

Note: The "+ Line Out" and "0V Out" terminals must not be used on the last device in the zone.

CONTROL PANEL   FLASHPOINT   FLASHPOINT

| SCREEN | ZONE -VE | ZONE +VE | | + Line In | + Line Out | OV In | OV Out | SCRN | SCRN | | + Line In | + Line Out | OV In | OV Out | SCRN | SCRN |

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.

Twinflex Flashpoints can be mixed on the same zone as other types of Twinflex device (eg. Twinflex Multipoint detectors). The above diagram shows how to make the zone positive, zone negative and screen connections between the control panel and Twinflex Flashpoints. Refer to the instructions of other Twinflex devices for their equivalent wiring/terminal labelling details.

Please note that the SCRN terminal on the Flashpoint bases 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 "SCRN" terminal (or EARTH terminal on the Twinflex V3 2/4/8 Zone panels). It is important to maintain the screen continuity in order to protect against data corruption from interference.

Device Settings

The DIL switches may be used to program the operation of the Flashpoint sounder / beacon. They may be altered when the device is removed from the base.

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

SWITCH OFF   O N   SWITCH ON
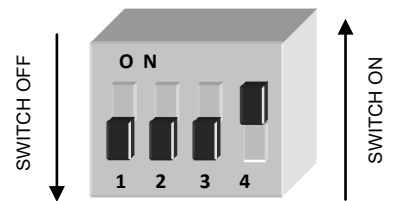
1   2   3   4

		DIL SWITCH SETTINGS			
		1	2	3	4
End of line	Enabled	ON			
	Disabled	OFF			
Sound Levels	High		ON		
	Low		OFF		
Sound Patterns	Sound OFF Beacon ON			ON	ON
	Dual Tone UK Evacuate – 800 & 970 Hz Beacon ON			ON	OFF
	Slow Whoop Up - 500 to 1200 Hz sweep up Beacon ON			OFF	OFF
	Dual Tone French Warble – 440 & 550 HZ Beacon ON			OFF	ON

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Maintenance

There are no user serviceable parts inside. Wipe the outside of the Flashpoint with a damp (not wet) cloth.

Technical Data

		V3 Panel	Pro/Pro² Panel
Dimensions	Diameter..	105mm	
	Depth...	45mm (Low Profile) / 62mm (Domed)	
	Flush Depth Protruding...............................	34mm	
	Surface Depth..	62mm	
Operating Temperature	....	-10ºC to +50ºC	
Voltage Ranges	DC Output from Mains Powered Panel.........	25.5 to 35V DC	
	DC Output from Battery Powered Panel.......	20 to 26V DC	
Operating Current (Typical)	Quiescent...	223 uA	
	End of line ON if applicable.......................... (in addition to Quiescent)	198 uA	
	Alarm Sounding – Sounder High..................	23.5 mA	
	Alarm Sounding – Sounder Low...................	15 mA	
	Beacon...	5.5 mA	
Volume Level	Sounder High...	90+ dB(A)	
	Sounder Low..	65+ dB(A)	
Loading Units		**V3 Panel**	**Pro/Pro² Panel**
	Max Loading Units per zone.........................	27 SLU	160 DLU
	Sounder High...	6.0 SLU	33
	Sounder Low..	3.1 SLU	18
	Beacon...	2.7 SLU	16
LED Operation	EOL indication..	5 second interval	
Beacon Operation	Period...	1s	
	Flash Duration...	15 ms	
Flammability	....	UL94-V2	
IP Rating	....	IP 21C	
Part Codes	Low Profile..	302 0012	
	Domed..	302 0022	

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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.

Fike's policy is one of continual improvement and the right to change a specification at any time without notice is reserved. Whilst every care has been taken to ensure that the contents of this document are correct at time of publication, Fike shall be under no liability whatsoever in respect of such contents. E&OE

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DoP-302-0012, DoP-302-0022

EN54-3: 2006 + 2019
Sounder Technical Data: See 26-0747

302-0012, 302-0022
Intended for use in the fire detection and fire alarm Systems in and around buildings

Essential characteristics	Performance
Nominal activation conditions/Sensitivity, response delay (response time) and performance under fire conditions	Pass
Operational reliability	Pass
Durability of operational reliability and response delay, Temperature resistance	Pass
Durability of operational reliability, Vibration resistance	Pass
Durability of operational reliability, Humidity resistance	Pass
Durability of operational reliability, Corrosion resistance	Pass
Durability of operational reliability, Electrical stability	Pass
Performance under fire conditions	Pass
Durability of operational reliability, Resistance to ingress	Pass

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