



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 1.5mm² 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.

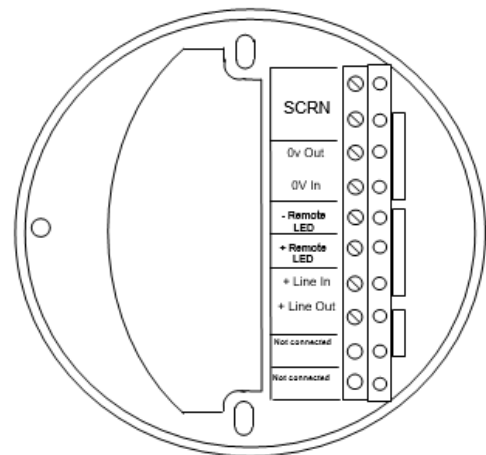
Once all testing has been carried out on the cabling and 'continuity & integrity' has been proven, the Flashpoint unit may be fitted. To insert the Electronics Module, locate the pins and gently push it home. To fit the translucent cover, gently offer it into the base, rotating the cover until it drops 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.**

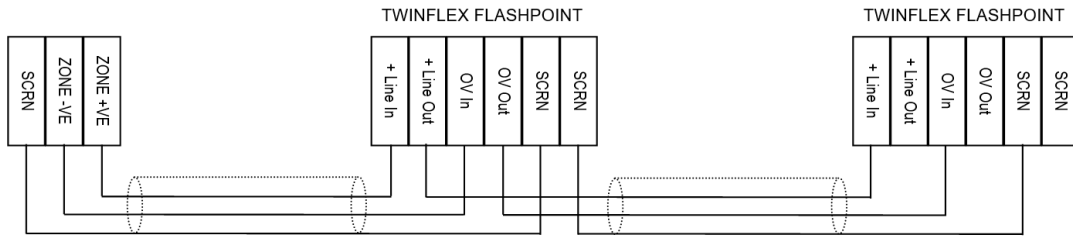


| Terminal | Description |
|--------------|---|
| SCRN | Screen |
| 0V Out | Zone -ve out to next device |
| 0V In | Zone -ve in from panel (or previous device) |
| - Remote LED | Remote LED output -ve |
| + Remote LED | Remote LED output +ve |
| + Line In | Zone +ve in from panel (or previous device) |
| + 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.



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.



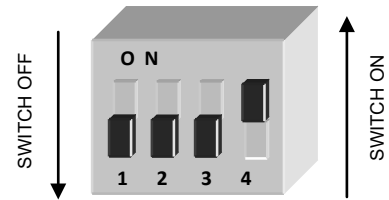
Twinflex Flashpoints can be mixed on the same zone as other types of Twinflex device (eg. Twinflex Multipoint Detectors). The above diagram shows how to make the zone positive, zone negative and screen connections between the control panel and Twinflex Flashpoints. Refer to the instruction leaflets supplied with 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 detector 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).



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

Maintenance

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

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| | | | |
|------------------------------------|---|-----------------------------------|----------------------------------|
| Dimensions | Diameter..... | 105mm | |
| | Depth..... | 45mm (Low Profile) / 62mm (Domed) | |
| | Flush Depth Protruding..... | 34mm | |
| | Surface Depth..... | 62mm | |
| Operating Temperature | | -10°C to +50°C | |
| 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 | |

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



Fike Safety Technology Ltd
 Unit 31, Springvale Industrial Estate
 Cwmbran
 NP44 5BD
 Tel: 01633 865 558 | Email: fstinfo@fike.com

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| Fike Safety Technology Ltd Unit 31, Springvale Ind. Est. Torfaen, NP44 5BD 11 DoP-302-0012, DoP-302-0022 | |
| EN54-3: 2001 +A1: 2002 +A2: 2006 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 |