



## FIKE SMART 2-WIRE FIRE ALARM SYSTEM

# TwinflexPro<sup>2</sup>

A conventional 2-wire fire alarm system is often the natural choice for smaller applications or where budget constraints exist. Fike's TWINFLEXpro<sup>2</sup> 2-wire fire alarm system has long been known for its adaptability and cost-effectiveness within a variety of applications, big or small ... making it one of the most flexible products on the market.

## The Reliable Fire Protection System You Can Count On

This versatile fire alarm system incorporates Fike's Twinflex Multipoint ASD using smoke and heat detection with optional built-in sounder, allowing the whole system to be installed using only one pair of wires per zone. That means easier, faster installations and cost savings.

Building on those strengths and designed for ease of use and state-of-the-art monitoring, the LPCB Approved TwinflexPro<sup>2</sup> is the next generation in 2-wire fire alarm reliability.

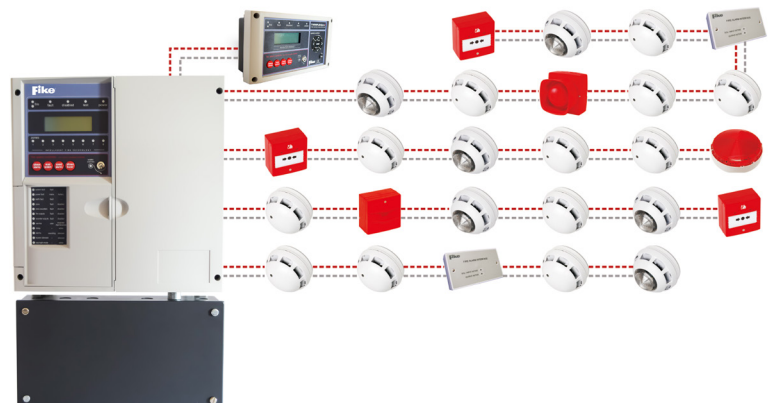


## Applications

- Schools
- Nursing Homes
- Bed & Breakfasts
- Museums
- Restaurants
- Retail Stores
- Office Buildings

## Features

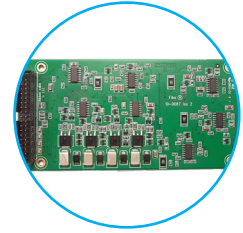
- Allows detectors and sounders to be installed on same pair of wires
- Differentiates between call point or detector alarms
- 4 line x 20 character LCD display
- Checkpoint alarm verification feature
- Available in 2, 4, and 8 zone panel versions
- Highlighted selection menu
- Event log storing up to 500 events
- Up to 32 devices per zone
- 3 enhanced test modes
- Built-in EOL capability in all devices
- Zone can be configured to day/night detection mode



## WHATS NEW ?



Panel design changes to allow easier installation



4 & 8 zone panels can now be configured to accept conventional devices on zones 5 to 8 with the optional conventional zone card



Protective cover to stop accidental damage when installing



Optional extended battery box with capacity for 2 x 12V 7.0Ah batteries



## Remote Display Units



Remote Display Units (Repeater panels) allow for the system status and control to be provided at secondary locations.

### Allows the ability to:

- Silence Alarms / Reset System / Sound Alarms / Silence Buzzer
- Connect up to 8 per control panel
- Can be powered via the control panel or separate PSU

## Training

For training on installation and operation of Fike Safety Technology's product range please contact

FST.Training@Fike.com  
Tel: +44 (0) 1633 865 558

This document is not to be used for installation purposes and is subject to Fike's full disclaimer at [fike.com/disclaimer](http://fike.com/disclaimer). Fike reserves the right to change product designs or specifications without obligation and without further notice.

## PANELS AND ACCESSORIES



505-0002

### TwinflexPro<sup>2</sup> 2 Zone Control Panel

Intelligent 2 wire control panel with 2 zones suitable for Twinflex devices. Dual purpose flush and surface housing. Requires 2 x 12V 3.2Ah Sealed Lead Acid Batteries (not included).



505-0004

### TwinflexPro<sup>2</sup> 4 Zone Control Panel

Intelligent 2 wire control panel with 4 zones suitable for Twinflex devices. Dual purpose flush and surface housing. Requires 2 x 12V 3.2Ah Sealed Lead Acid Batteries (not included).



505-0008

### TwinflexPro<sup>2</sup> 8 Zone Control Panel

Intelligent 2 wire control panel with 8 zones suitable for Twinflex devices. Dual purpose flush and surface housing. Requires 2 x 12V 3.2Ah Sealed Lead Acid Batteries (not included).



505-0010

### TwinflexPro<sup>2</sup> Repeater Panel

The repeater will only work with the 4 & 8 Zone Twinflex Pro2 panels using version 2.0 software onwards.



604-0002

### TwinflexPro2 Boxed Kit

1 x TwinflexPro2 Zone Panel, 7 x Twinflex Multipoint ASD with sounder, 2 x Twinflex Manual Call Point c/w covers, 1 x Head Removal Tool.



604-0004

### TwinflexPro2 Boxed Kit

1 x TwinflexPro2 4 Zone Panel, 7 x Twinflex Multipoint ASD with sounder, 2 x Twinflex Manual Call Point c/w covers, 1 x Head Removal Tool.



604-0008

### TwinflexPro2 Boxed Kit

1 x TwinflexPro2 8 Zone Panel, 7 x Twinflex Multipoint ASD with sounder, 2 x Twinflex Manual Call Point c/w covers.



505-0006

### TwinflexPro<sup>2</sup> 4 Zone Expansion Card

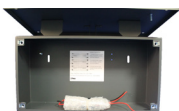
Can only be used with 505-0004 4 zone Twinflex Pro panel & Twinflex Pro 2.



505-0007

### TwinflexPro<sup>2</sup> Conventional Expansion Card

Can only be used with 4 zone & 8 Zone TwinflexPro2 panel.



505-0020

### TwinflexPro<sup>2</sup> Battery Conversion Kit

Holds 2 x 7Ah batteries allowing for additional standby capacity of up to 72 hours.



505-0040

### TwinflexPro OSP

PC programming software for all TwinflexPro panels;  
Requires USB A to USB B interface lead (not supplied).



# Twinflex Multipoint ASD Detector

Using the Twinflex Multipoint ASD as part of the TWINFLEXpro<sup>2</sup> system means that when a detector is wired to the system, a sounder and strobe can also be connected without extra installation time or cost. This greatly reduces the number of points that need to be installed and the time it takes to install.

As the Twinflex Multipoint ASD offers 7 different modes of detection, the installation is made even simpler since one device suits all applications. Whatever type of detection is required, it can be selected by the flick of a switch at the time of commissioning 3 different smoke modes, 2 fixed temperature heat modes, a rate of rise mode and a combination smoke or heat mode.

The Twinflex Multipoint ASD is available with or without a full specification integral 90dBA sounder no extra devices need to be purchased when audible warning is required. If extra sound is required or for areas that do not require detection, then a choice of several different standalone sounders or sounder beacons can be used on the same two wires.



**Two wire installation - only one circuit per zone to connect detectors and sounders - installation savings can be as high as 40%.**

- 7 modes of detection
- Twinflex Multipoint ASD saves the cost of a sounder
- Warning of head contamination, before going into false alarm
- Easily removable for maintenance at height

## Detection Modes

### SMOKE 1

Used where ionization detectors are normally fitted, especially when there are high ceilings or a risk of free burning fires (chemical stores etc), or fires that need to be detected extremely quickly.

### SMOKE 2

Used where optical detectors are normally fitted, when there is a risk of a smouldering fire and for escape routes.

### SMOKE 3

Designed for use in areas that are prone to nuisance alarms. The reduced sensitivity linked with a time delay feature means that a higher concentration of smoke needs to be present for a constant time period before a fire decision is made.

### HEAT 1

(Rate-of-Rise) – Used where a standard rate-of-rise detector would normally be used.

### HEAT 2

(Standard Fixed Temperature – 58°C / 136°F approximately) – A standard fixed temperature heat detector, suitable for domestic kitchens, etc.

### HEAT 3

(High Fixed Temperature – 90°C / 194°F approximately) – High fixed temperature heat detector suitable for boiler rooms, commercial kitchens, etc.

This document is not to be used for installation purposes and is subject to Fike's full disclaimer at [fike.com/disclaimer](http://fike.com/disclaimer). Fike reserves the right to change product designs or specifications without obligation and without further notice.



## ALARM CONFIRMATION FEATURE

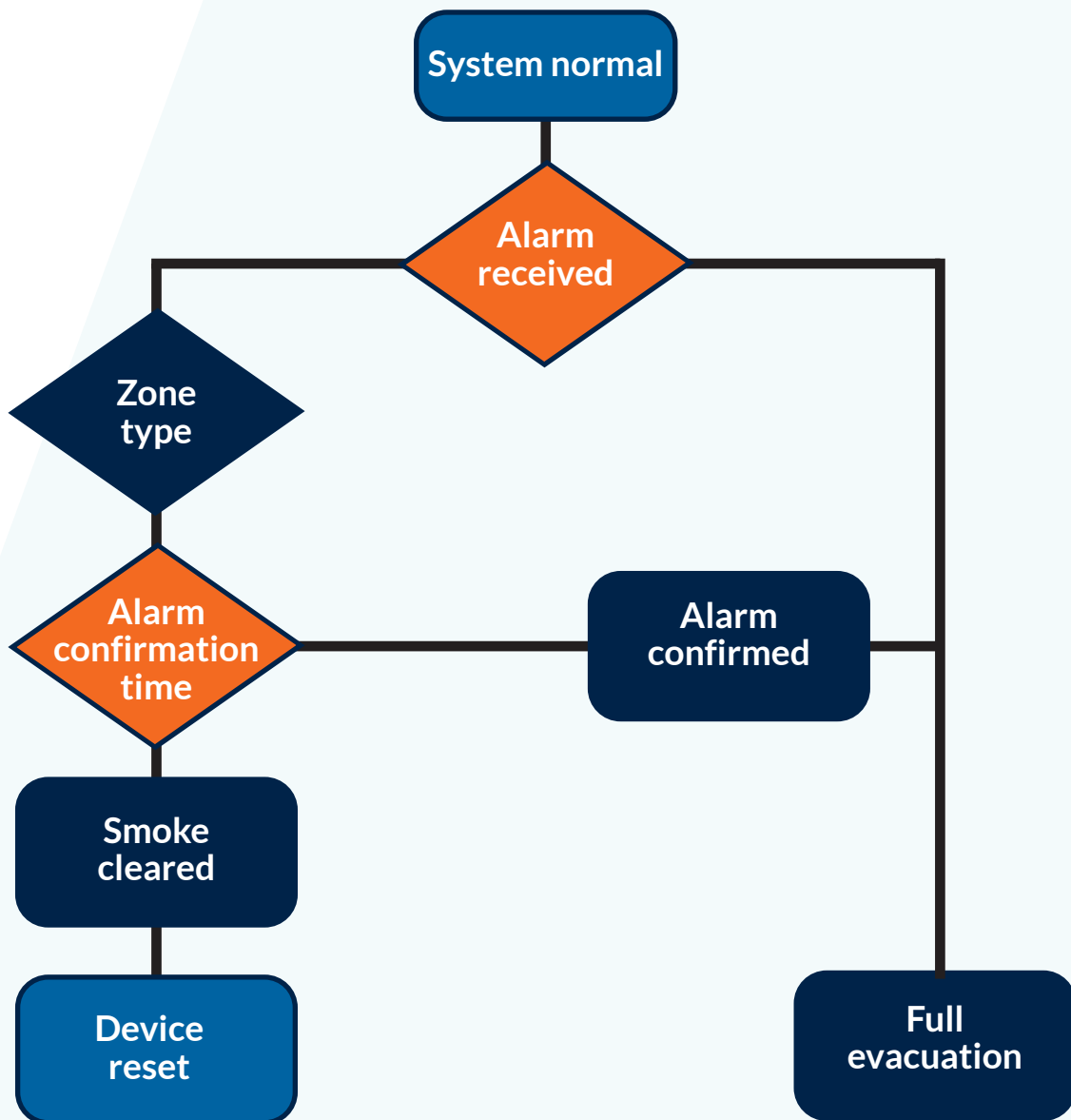
Early warning fire alarm verification is often crucial. The disruption to business and costs associated with responding to false alarms can be enormous. The TwinflexPro<sup>2</sup> offers alarm confirmation technology, which can help eliminate nuisance or false alarms.

Using the built-in alarm confirmation feature, until an alarm has been confirmed within an individual area, only that area is evacuated. At the same time, if an alarm is triggered in a common area, the device initiates a full alarm evacuating all surrounding areas. This unique panel feature is vital where two-stage alarms are required.

For example - when an alarm is indicated by an individual detector, the sounder for that device/zone is activated and the control panel carries out the configured number of confirmation checks on that specific zone.














If the alarm is confirmed, the control panel enters the fire state and all additional notification devices are activated throughout the facility. If the detector alarm is rejected, the sounders on the zone are silenced, and the detector in alarm is reset.

For safety, activating a call point will override any delays or confirmation settings.



This document is not to be used for installation purposes and is subject to Fike's full disclaimer at [fike.com/disclaimer](http://fike.com/disclaimer). Fike reserves the right to change product designs or specifications without obligation and without further notice.

## DETECTORS AND ACCESSORIES

	<a href="#">204-0003</a>	<b>Twinflex Multipoint ASD Detector</b> A multifunction smoke and heat detector with three smoke detection modes, three heat detection modes and one combination mode. Built in 'End of Line'. These options are set by DIL switch. Supplied complete with mounting base and dust cover.
	<a href="#">204-0001</a>	<b>Twinflex Multipoint ASD Detector with Sounder</b> As above but complete with inbuilt sounder featuring three sound patterns and two volume levels.
	<a href="#">204-0012</a>	<b>Twinflex Multipoint ASD Detector with Sounder/Strobe</b> As above but complete with inbuilt sounder / strobe featuring three sound patterns and two volume levels and LED strobe array. Visual indicator strobe.
	<a href="#">406-0006</a>	<b>Twinflex Manual Call Point</b> Manual call point with resettable element reset key, back box, adaptor plate for flush mount and inbuilt 'End of Line' set by DIL switch (includes call point cover).
	<a href="#">406-0007</a>	<b>Twinflex Manual Call Point Weatherproof</b> IP65 weatherproof manual call point with resettable element, reset key, back box and inbuilt 'End of Line' set by DIL switch (includes call point cover).
	<a href="#">302-0001</a> <a href="#">302-0002</a>	<b>Twinflex Hatari Sounder: Red/White</b> Sounder with 97dB adjustable output and inbuilt 'End of Line' set by DIL switch. Supplied complete with mounting base.
	<a href="#">313-0021</a> <a href="#">313-0022</a>	<b>Twinflex Sound Point: Red/White</b> Sounder with 85dB output, three sound patterns and inbuilt 'End of Line' set by DIL switch. Supplied complete with back box and flush adaptor plate.
	<a href="#">302-0004</a>	<b>Twinflex Hi Point</b> IP55 Internal / External horn sounder with 90dB output, three sound patterns and inbuilt 'End of Line' set by DIL switch. Supplied complete with back box and flush adaptor plate. Suitable for indoor and outdoor applications.
	<a href="#">302-0012</a>	<b>Twinflex Flash Point</b> Low profile sounder and LED visual indication beacon with 90dB output, three sound patterns and inbuilt 'End of Line' set by DIL switch. Supplied complete with mounting base.
	<a href="#">302-0022</a>	<b>Twinflex Flash Point: Domed</b> Sounder and LED visual indication beacon with 90dB output, three sound patterns and inbuilt 'End of Line' set by DIL switch. Supplied complete with mounting base.
	<a href="#">302-0023</a>	<b>Twinflex Flash Point: Weatherproof</b> IP52 LED visual indication beacon with inbuilt 'End of Line' set by DIL switch. Supplied complete with mounting base (note, this item does not include a sounder, i.e. beacon only).
	<a href="#">802-0006</a>	<b>Twinflex Input / Output Module</b> Relay interfacing module including two sets of 2A rated SPCO relay contacts, one monitored input and inbuilt 'End of Line'.
	<a href="#">25-0046-201</a>	<b>ASD Head Removal Tool</b> To remove the optical chamber of Multipoint ASD detectors. The tool may be mounted onto a pole for high level access. This tool fits directly onto the solo poles range of detector test equipment.