

# TWINFLEXPRO<sup>2</sup> 2-WIRE FIRE ALARM PANELS



## PRODUCT CODES

FC-3035 (2 Zone) / FC-3036 (4 Zone) / FC-3037 (8 Zone)

## FEATURES

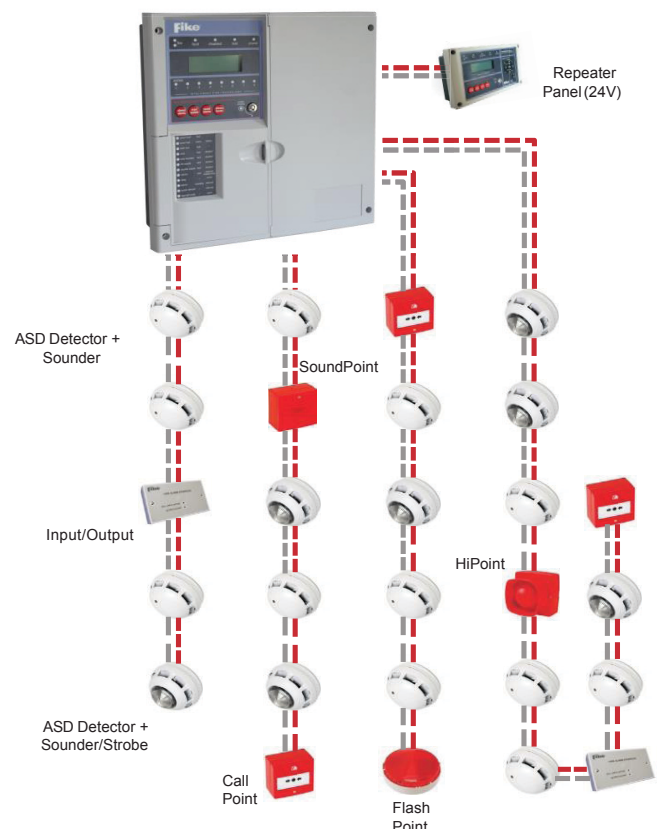
- Available in 2, 4, and 8 zone panel versions.
- Ability to identify between smoke detector, heat detector and a manual call point alarm.
- Event log storing up to 500 events.
- Up to 32 devices per zone.
- Allows detectors and sounders to be installed on the same pair of wires.
- Alarm confirmation and delay programming options.
- With the addition of a conventional zone card, a 4 or 8 zone panel can now be configured to accept conventional devices on zones 5 to 8.
- Incorporates Integral power supply unit.

## DESCRIPTION

The TwinflexPro<sup>2</sup> panel is an intelligent 2-wire panel that utilises a conventional type cabling format. The system is classed as Analogue non-addressable due to the architecture used within the design. The devices communicate with the control panel using the Twinflex data protocol. The TwinflexPro<sup>2</sup> panel is available in 2,4 & 8 zone variants which support up to 32 Twinflex devices per circuit. The TwinflexPro<sup>2</sup> is able to recognise and separately identify between smoke detector, heat detector and a manual call point alarm. The panel also monitors each zone for detector head removal, device fault, End of line fault and open or short circuit fault. The panel provides two monitored outputs that may be configured as conventional sounder circuits, a volt free common fire relay and a volt free common fault relay. There are also two multifunction latching/non-latching inputs and one monitored input programmable with options such as Class-Change and Remote fire. The control panel also incorporates an integral power supply unit and requires 2 x 12V 3.3Ah batteries to provide up to 72 hour standby times (refer to Technical Data for further information).

The panel features a 500 event log, day/night mode, alarm confirmation and delay programming options that can be configured using the keypad or via PC driven OSP software. The TwinflexPro<sup>2</sup> panel is no longer only compatible with Fike's Twinflex devices, with the addition of our conventional zone card a 4 or 8 zone panel can now be configured to accept conventional devices on zones 5 to 8.

Unlike most conventional fire alarm systems, which require separate pairs of cables for detector zones and sounder circuits, the Twinflex system requires one 2-core screened cable for each zone to accommodate both detection devices and sounders when using Twinflex devices.



## REMOTE REPEATER PANELS



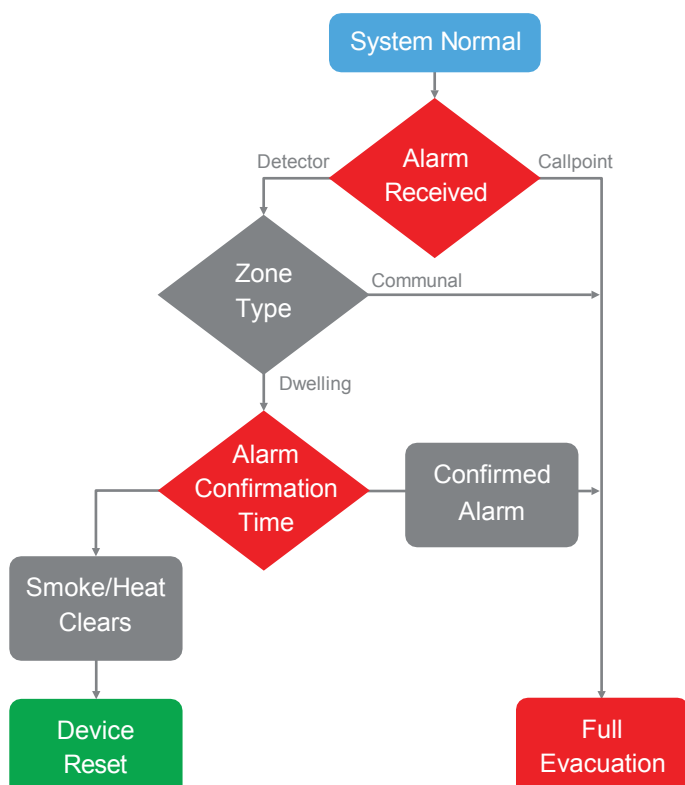
The Repeater panel allows for the system status and control to be provided at secondary locations

*Note: A TwinflexPro<sup>2</sup> Repeater is needed for the new TwinflexPro<sup>2</sup> panel*



**TWINFLEXPRO<sup>2</sup> 2-WIRE FIRE ALARM PANELS**
**SPECIFICATIONS**

	2 ZONE PANEL	4 ZONE PANEL	8 ZONE PANEL
<b>DIMENSIONS (MM)</b>	331 x 331 x 99	331 x 331 x 99	331 x 331 x 99
<b>WEIGHT (EXCLUDING BATTERIES)</b>	2.25 kg	2.28 kg	2.36 kg
<b>CONSTRUCTION</b>	V0 rated ABS		
<b>IP RATING</b>	IP 30		
<b>CABLE ENTRY</b>	13 x 20mm knockouts 1 x 50mm x 50mm pull out tab		
<b>CABLE TYPE</b>	2 core 1.5mm <sup>2</sup> screened fire rated cable, 500m (max per zone)		
<b>DETECTION ZONES</b>	2 Max	4 Max	8 Max
<b>DEVICES PER ZONE</b>	Up to 32 Devices dependant on Device Loading Units (DLUs) not exceeding the stated maximum loading.		
<b>DEVICE PROTOCOL</b>	TWINFLEX <sup>®</sup> V3 + TWINFLEX <sup>®</sup> pro		
<b>MONITORED SOUNDER CIRCUITS</b>	Up to 2 (250 mA)	Up to 2 (250 mA)	Up to 2 (200 mA)
<b>MONITORED RELAY CIRCUITS</b>	Up to 2 (250 mA)	Up to 2 (250 mA)	Up to 2 (200 mA)
<b>RELAYS ON BOARD</b>	Common fire and common fault		
<b>OPERATING STANDARD</b>	BS EN54-2 & 4		
<b>OPERATING TEMPERATURE</b>	5°C to 40°C		
<b>MAINS SUPPLY RANGE</b>	230VAC, +10%, -15%, 50/60Hz		
<b>EVENT LOG</b>	500 Events		
<b>ZONE LABELS</b>	12 Characters		

**ALARM CONFIRMATION FEATURE**
**CHECKPOINT FLOW CHART**


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 callpoint will override any delays or confirmation settings.

*Specifications are subject to change without notice*

