

# Twinflex Pro<sup>2</sup> Quick Start Guide



**Do not attempt to install this equipment until you have fully read and understood the manual which can be found on our website**



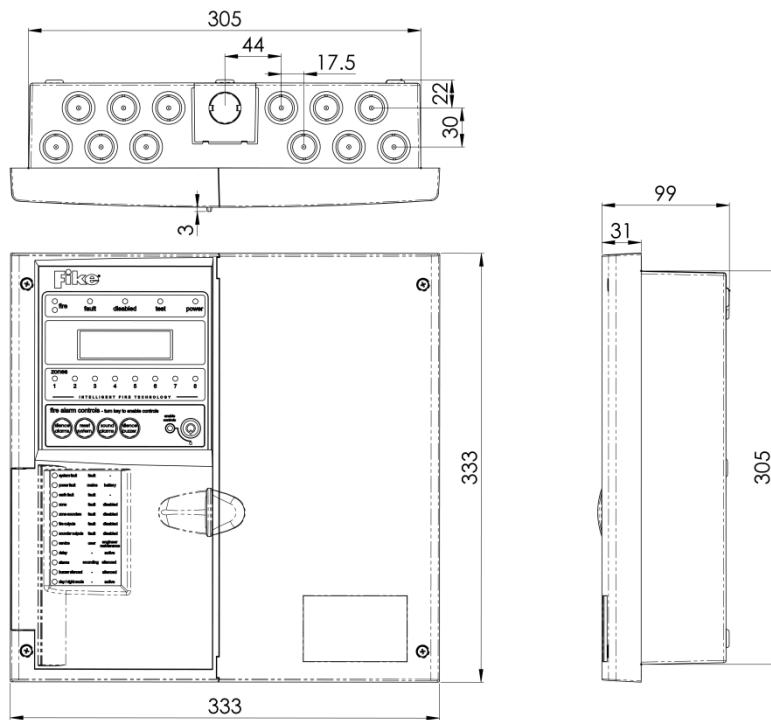
<http://www.fike.co.uk/resource-downloads/twinflex/>

## **A knowledge of BS5839: Pt 1: 2017: Fire Detection and Alarm Systems for Buildings is essential.**

It is strongly recommended that a suitably qualified and competent person is consulted in connection with the Fire Alarm System design and that the entire system is commissioned in accordance with the current national standards and specifications.

### **Equipment Guarantee**

The equipment carries no warranty unless the system is installed, commissioned and serviced in accordance with the manual and the relevant standards by a suitably qualified and competent person or organisation.



### **Access Levels and Codes**

Access Level	Key Operation	Code	Controls Enabled LED
Normal	N/A	N/A (NORM)	OFF
User	YES	8737 (USER)	ON
Supervisor	NO	7877 (SUPR)	SLOW FLASH
Engineer	NO	3647 (ENGR)	FAST FLASH

**Topology & Cabling** All system wiring should be installed to comply with BS 5839: and BS 7671 (wiring regulations) and any other standards relevant to the area or type of installation. A cable complying with BS 5839: Pt 1: Category 1 (cables required to operate for prolonged periods during fire conditions) is required. This must be a 2-core 1.5mm<sup>2</sup> screened fire resistant cable (ie. FP200, Firetuff, Firecell, Lifeline or equivalent).

Each zone requires a separate 2-core radial circuit from the control panel to the furthest point of the zone, to a maximum of 500 metres.

The cable **screen must be connected to earth/ground at the control panel only**.

The cable **screen continuity must be maintained** at every point of the circuit, using the terminals provided or a suitable connection block.

**Do not** use a 4-core cable as a circuit **zone in** and **zone out**, due to the possibility of data corruption. It is essential that two 2-core screened cables are used if this is required.

1



**Write Protect Mode:**

In the OFF position, as shown (left), engineering options may be viewed but no changes made



**Write Enable Mode:**

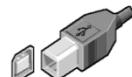
If changes are to be made, this switch needs to be in the ON position as shown (left).

If the switch is left ON whilst the panel is not in engineer mode a system fault will be reported.

2

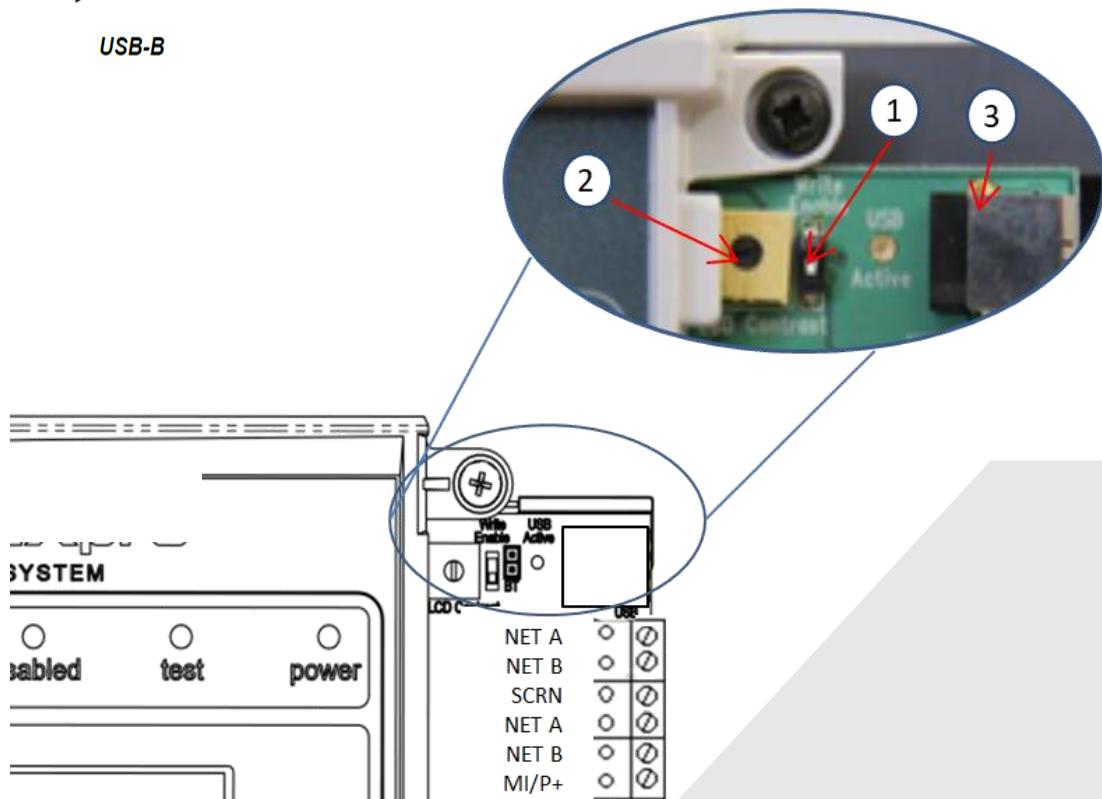
**LCD contrast** may be adjusted by rotating the screw on the variable resistor, located in the upper right hand corner of the main PCB.

3



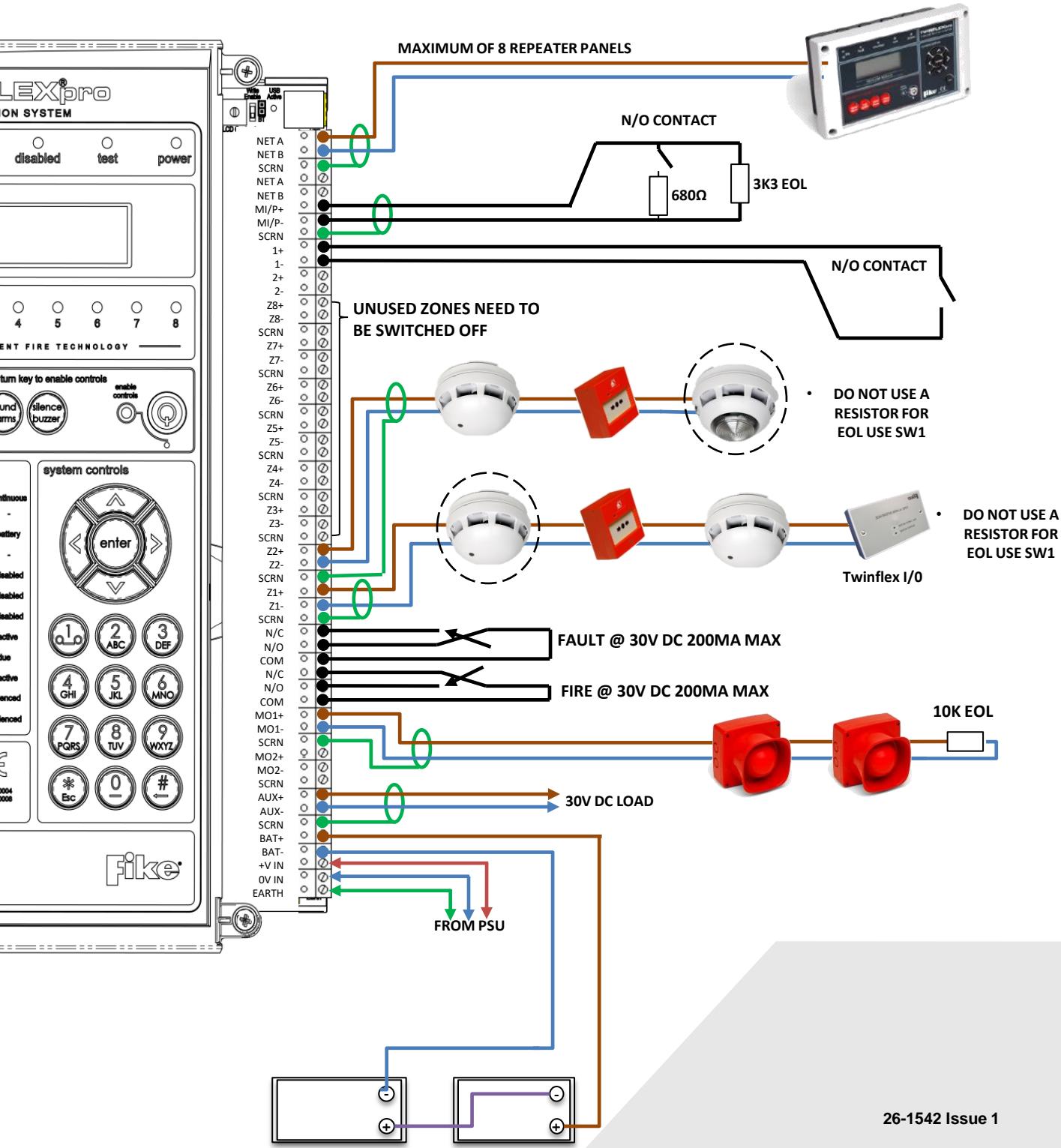
The panel is fitted with an on board USB-B connector. This is to provide communication via a suitable USB lead to a PC for programming of panel options using the TWINFLEX®pro<sup>2</sup> OSP configuration software.

USB-B



- MAX ZONE LENGTH 500M
- UP TO 32 DEVICES PER ZONE
- BUILT-IN EOL CAPABILITY IN ALL DEVICES
- DETECTORS, SOUNDERS AND MANUAL CALL POINTS TO BE INSTALLED ON THE SAME PAIR OF WIRES
- DO NOT USE A RESISTOR FOR EOL

NETWORK CONNECTIONS ONLY AVAILABLE ON 4/8 ZONE PANEL TO ADD REPEATER





Control Panel Ratings	2 Zone Panel	4 Zone Panel	8 Zone Panel	Control Panel Fuses and Protection	2/4/8 Zone Panel
Weight (excluding batteries)	2.25 kg	2.28 kg	2.36 kg	Zone output	300 mA trip polyfuse
Mains voltage	230V AC Nominal 700mA			Sounder output	300 mA trip polyfuse
Operating voltage	Nominal 24V DC (Range 21-31V DC)			Remote fire output (mon relay)	300 mA trip polyfuse
Construction	V0 rated ABS			Auxiliary 24V DC supply	300 mA trip polyfuse
IP Rating	IP 30			Mains	T4A Time Delayed 20mm Ceramic
Operating standard	BS EN54-2 & 4			Battery Charger	300mA current limiter
Operating temperature	5°C to 40°C			Battery (reverse polarity)	3.15A F 20mm

## Technical Data

For specifications of the TwinflexPro<sup>2</sup>, please see the TwinflexPro<sup>2</sup> Engineering & Commissioning Manual.

## 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. This unit complies with the EMC directive.

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