

## ZFP Touchscreen Controlled Addressable Fire Panel (Standard Cabinet)

Part No. **ZFP1/CA and derivatives**



### Overview

A feature-rich touchscreen-controlled addressable fire panel with 1, 2 or 4 C-TEC CASTcompatible loop drivers (see Key Features section for a full list of ZFP features).

LPCB certified to EN54 parts 2 & 4. Part 13 pending.

Multiple off-the-shelf variants or build your own panel using our ZFP selection charts.

Rapid loop learn, flexible cause & effects and powerful system diagnostics.

Hi-integrity fault-tolerant RS485 networking option allows up to 128 network nodes (64 main panels and 64 Compact Controllers).

Optional 'A-Bus' expansion PCBs, paging and graphic interface facilities.

ENVISIONEnabled - fully compatible with C-TEC's new Cloud based data management/remote access software

Intuitive PC programming tools.

Medium and large sized ZFPs also available with 2, 4, 6 or 8 loops.

For availability details contact your C-TEC Account Manager

### More Information

ZFP Fire PanelBlank Module

Touchscreen control module (Z41)

Blank module (ZBLANK)

5A EN54-4 PSU (BF562-5/E)

Loop variantsZFP1/CA1 LoopZFP2/CA2 LoopZFP4/CA4 LoopZFP Fire Panel20 Zonal LEDs

Touchscreen control module (Z41)

20 Programmable zonal indicators with name slots (Z44)

5A EN54-4 PSU (BF562-5/E)

Loop variantsZFP1/20/CA1 LoopZFP2/20/CA2 LoopZFP4/20/CA4 LoopZFP Fire Panel40 Zonal LEDs



Touchscreen control module (Z41)

40 Programmable zonal indicators with name slots (Z47)

5A EN54-4 PSU (BF562-5/E)

Loop variants ZFP1/40/CA1 Loop ZFP2/40/CA2 Loop ZFP4/40/CA4 Loop ZFP Fire Panel 40 Zonal LEDs, Printer, 2 Keyswitches

Touchscreen control module (Z41)

40 Programmable zonal indicators with name slots, thermal printer & 2 programmable keyswitches (Z49)

5A EN54-4 PSU (BF562-5/E)

Loop variants ZFP1/40P/CA1 Loop ZFP2/40P/CA2 Loop ZFP4/40P/CA4 Loop Can't find what you're looking for? Need a panel with more Zonal LEDs, additional relays or extra sounder circuits? Why not build your own ZFP? Simply select the Switch & Indicator Module(s) and A-BUS PCB(s) you need and we'll do the rest - building, testing and shipping the panel to you in no time at all. Contact our Sales Desk for details.

## Technical Specifications

Approvals/certifications	Certified to EN54-2 & 4 by the LPCB. EN54-13 certification to follow.
Protocol/compatibility	C-TEC CAST
Mains supply	230V 50/60Hz.
Mains rated current	13A maximum.
Internal power supply	27Vdc nominal.
Total output current limited to	5A @ 230Vac
Quiescent current	Varies depending on the panel's configuration - refer to our ZFP loop/battery calculation tool for details.
Battery charge capacity	7Ah min to 18Ah max.
Max battery size and type	2 x 12V 18Ah VRLA connected in series.
No. of loop drivers	1, 2 or 4 (dependent on model purchased).
Max. loop output current	450mA.
Max. loop length	1KM.
Max. addressable devices per loop	255.
No. of conventional sounder circuits	2 (Max. length per circuit is 500m).
EOL resistor value	6800 5% Tol. 0/25W (blue, grey, red, gold).
Max. sounder output current	2 x 1A.
Auxiliary relays	2 x Programmable Relays (programmable from C&Es). 1 x Fault Relay (active when no faults are present). Volt free single pole changeover. Max. switch current 1A; Max. switch voltage 30Vdc.
Other outputs	24V Aux. Power (19.5V min, 28V max). Protected by a resettable fuse. Max. current 100mA.
Auxiliary inputs	2 x Programmable Inputs (programmable from C&Es). Connect to 0V to trigger, Max. input voltage 27V (non-latching).
PC connection	Via a galvanically isolated USB socket on the Z41 control module.
Pager/DECT connection	RS232. ESPA compatible.
Graphics interface/diagnostics connection	RS485. Drax compatible. C-TEC ENVISION Cloud Enabled.
Network connection	RS485 hi-integrity multi-path fault tolerant network connection via optional ZHN network card. Max 128 network nodes (up to 64 main panels & 64 compact controllers).
Indicators	Full-colour 480 x 272 pixel touchscreen, all relevant EN54 indicators plus 5 programmable indicators. Additional indicators dependent on Switch & Indicator module fitted.
Controls	Interactive touchscreen with menu sensitive buttons; 1 x keyswitch allowing direct access to Access Level 2. Additional controls dependent on Switch & Indicator module fitted.
Connections	Fixed, largest acceptable conductor size 1mm <sup>2</sup> .



Expansion connections	RS485 peripheral bus connection allows the connection of up to 15 'A-Bus' PCBs (2 control cores plus screen plus 2 cores for power).
Product dimensions (mm)	450 W x 462 H x 127 D.
Construction & finish	Light grey textured mild steel, 1.2mm Zintec. RAL7035 epoxy paint.
IP Rating	IP30.
Weight	TBC.
Operating conditions/temperature	-5°C to +40°C. Max relative humidity: 95%.
1 Loop Variants	ZFP1/CA (Blank Module); ZFP1/20/CA (20 Zonal LEDs); ZFP1/40/CA (40 Zonal LEDs); ZFP1/20P/CA (20 Zonal LEDs, Printer, 2 Keyswitches); ZFP1/40P/CA (40 Zonal LEDs, Printer, 2 Keyswitches)
2 Loop Variants	ZFP2/CA (Blank Module); ZFP2/20/CA (20 Zonal LEDs); ZFP2/40/CA (40 Zonal LEDs); ZFP2/20P/CA (20 Zonal LEDs, Printer, 2 Keyswitches); ZFP2/40P/CA (40 Zonal LEDs, Printer, 2 Keyswitches)
4 Loop Variants	ZFP4/CA (Blank Module); ZFP4/20/CA (20 Zonal LEDs); ZFP4/40/CA (40 Zonal LEDs); ZFP4/20P/CA (20 Zonal LEDs, Printer, 2 Keyswitches); ZFP4/40P/CA (40 Zonal LEDs, Printer, 2 Keyswitches)
6 Loop Variants	N/A.
8 Loop Variants	N/A.