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 CAST compatible loop drivers (see Key Features section for a full list of ZFP features).
- LPCB certified to EN54 parts 2 & 4 and Kiwa Telefication & DBI certified to EN54-13.
- EN54-13 & NTN 179L: 2021 certified by Belgian certification body BOSEC.
- Also certified to the relevant parts of EN54 with Swedish certification body SBSC.
- Multiple off-the-shelf variants or build your own panel using our ZFP module options.
- Rapid loop learn, flexible cause & effects and powerful system diagnostics.
- Hi-integrity fault-tolerant RS485 networking option allows up to 64 network nodes (any mix of panels and compact controllers).
- Optional 'A-Bus' expansion PCBs, paging and graphic interface facilities.
- ENVISION Enabled - 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.

C-TEC, Challenge Way, Martland Park, Wigan, WN5 0LD, UK
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More Information

ZFP Fire Panel

Blank Module



- Touchscreen control module (Z41)
- Blank module (ZBLANK)
- 5A EN54-4 PSU (BF562-5/E)

Loop variants

ZFP1/CA	1 Loop
ZFP2/CA	2 Loop
ZFP4/CA	4 Loop

ZFP Fire Panel

20 Zonal LEDs

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- Touchscreen control module (Z41)
- 20 Programmable zonal indicators with name slots (Z44)
- 5A EN54-4 PSU (BF562-5/E)

Loop variants

ZFP1/20/CA	1 Loop
ZFP2/20/CA	2 Loop
ZFP4/20/CA	4 Loop

ZFP Fire Panel

40 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/CA — 1 Loop

ZFP2/40/CA — 2 Loop

ZFP4/40/CA — 4 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/CA — 1 Loop

ZFP2/40P/CA — 2 Loop

ZFP4/40P/CA — 4 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 by selecting the Switch & Indicator Module(s), A-BUS PCB(s) and other add-ons you need as required.

Technical Specifications

Approvals/certifications	Certified to EN54-2 & 4 by LPCB and certified to EN54-13 by Kiwa Telefication, Certified to EN54-13 & NTN 179-L:2021 by BOSEC, Certified to EN54-13 by DBI, Certified to the relevant parts of EN54 by SBSC
Protocol/compatibility	C-TEC CAST.
Mains supply	230V 50/60Hz.
Mains rated current	1.3A maximum.

Internal power supply	27Vdc nominal.
Total output current limited to	5A @ 230Vac.
Battery charge capacity	7Ah min to 18Ah max.
Quiescent current	Varies depending on the panel's configuration – refer to our ZFP loop/battery calculation tool for details.
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	6800Ω 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. Requires a minimum of a BF874QAQ transmitter and a BF877QAQ display pager.
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 64 network nodes (mix of main panels & 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 1mm2.
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)	410 W x 250 H x 80 D mm (base); 439 W x 274 H x 7 D mm (lid). Hole required for semi-flush mounting = 412 W x 255 H x 50 D mm (requires XFP385 bezel).
Construction & finish	Light grey textured mild steel, 1.2mm Zintec. RAL7035 epoxy paint.
IP Rating	IP30.
Weight	TBC.
Operating conditions/temperature	-5ºC to +40ºC. 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.

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