

XFP 2 Loop 32 Zone Addressable Fire Panel (XP95/Discovery protocol)

Part No. **XFP502/X**



Overview

C-TEC's XFP two loop 32 zone addressable fire alarm panel offers high performance at a very competitive price. LPCB certified to EN54 parts 2 & 4, it is supplied in durable metal enclosure, offers combined keypad or keyswitch entry to Access Levels 2 and 3 and is compatible with Apollo's XP95/Discovery protocol. Ideal for use in small stand-alone applications or in larger applications due to its ability to sit on network of up to 8 XFP master panels, it is one of Europe's best-selling addressable fire panels. Packed full of engineering features - please refer to the feature list below - the XFP502/X is also fully compatible with C-TEC's Hush Button fire alarm solution and its new range of EN54 certified addressable sounders and VADs.



More Information

- Third-party certified to EN54-2/4 by the Loss Prevention Certification Board (LPCB).
- Compatibility with Apollo's XP95/Discovery protocol.
- Two independently programmable conventional sounder circuits.
- Two programmable inputs.
- A fault output relay and three programmable relay outputs with voltage free changeover contacts.
- A selection of zone dependency/coincidence functions.
- A day/night (building occupied/unoccupied) function.

- An investigation delay period function.
- Phased evacuation facility.
- An alarm counter that records how many times the panel has been in alarm state.
- Powerful short circuit protected loop drivers, capable of supporting up to 40 loop powered 10mA sounders per loop.
- An integral EN54-4/A2 switch mode power supply.
- Adjustable contamination levels.
- Earth fault monitoring.
- Combined keypad / keyswitch entry to Access Levels 2 and 3.
- 999 event monitoring.
- An intuitive Windows based upload-download PC program.
- Optional flush-mounting bezel and glazed stainless steel enclosure also available.
- Up to eight XFP main panels (any variant) can be connected onto a two-wire RS485 network. Alternatively, up to eight XFP repeaters can be connected to any non-networked main panel.

Technical Specifications

| | |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals/certifications | Certified to EN54-2 & 4 by the LPCB. |
| Protocol/compatibility | Apollo XP95/Discovery. |
| Mains supply | 230V 50/60Hz. |
| Mains rated current | 680mA maximum. |
| Internal power supply | 27Vdc nominal. |
| Total output current limited to | 3A @ 230Vac (Imax.A 270mA; Imin. 70mA). |
| Quiescent current | 100mA (2 loops unloaded). |
| Max battery size and type | 2 x 12V 7Ah VRLA connected in series. |
| No. of loop drivers | 2. |
| Max. loop output current | 500mA (25V min; 34V max). |
| Max. loop length | 1KM. |
| Max. addressable devices per loop | 126. |
| 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 | 400mA. |
| Auxiliary relays | 3 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 | PC connection via RS232 moxex connector (supplied in XFP507 upload/download software kit); No printer connection available. |
| Indicators | 2 line x 40 character backlit display; 32 Zonal LEDs, General Fire; Energised; Pre-Alarm; Remote Output Activated; Remote Output Disabled; Accessed; Disablement; Test; Silenced; General Fault |
| Connections | Fixed, largest acceptable conductor size 1mm ² . |
| Expansion connections | 2-wire RS485 network/repeater connection available via optional AFP711 network card. Max. 8 mains per network (Limit 1KM.) or 8 repeaters per non-networked main. |
| Product dimensions (mm) | 410 W x 250 H x 80 D mm (base); 439 W x 274 H x 7 D mm (lid). |
| Construction & finish | Metal. |
| IP Rating | IP30. |
| Weight | 4.5kg (without batteries). |
| Operating conditions/temperature | -5°C to +40°C. Max relative humidity: 95%. |