

## XFP 1 Loop 16 Zone Addressable Fire Panel (XP95/Discovery protocol)

Part No. **XFP501E/X**



### Overview

C-TEC's XFP single loop 16 zone addressable fire alarm panel offers high performance at a very competitive price. LPCB certified to EN54 parts 2 & 4, it is supplied in an attractive flush or surface mountable plastic 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 entry-level addressable fire panels. Packed full of engineering features - some of which are not available on more expensive alternatives (see feature list below) - the XFP501E/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.
- Up to eight XFP main panels (any variant) can be connected onto a two-wire RS485 non-redundant 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                  | 350mA maximum.  |
| Internal power supply                | 27Vdc nominal.  |
| Total output current limited to      | 1.4A @ 230Vac (Imax.A 210mA; Imin. 40mA).   |
| Quiescent current                    | 50mA (loop unloaded).   |
| Max battery size and type            | 2 x 12V 3.2Ah VRLA connected in series.   |
| No. of loop drivers                  | 1.  |
| 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 molex connector (supplied in XFP507 upload/download software kit); No printer connection available.   |
| Indicators                           | 2 line x 40 character backlit display; 16 Zonal LEDs, General Fire; Energised; Pre-Alarm; Remote Output Activated; Remote Output Disabled; Accessed; Disablement; Test; Silenced; General Fault; Syst |
| Connections                          | Fixed, largest acceptable conductor size 1mm <sup>2</sup> .   |
| Expansion connections                | 2-wire RS485 non-redundant network/repeater connection available via optional XFP761 network card. Max. 8 mains per network or 8 repeaters per non-networked main. Limit 1KM (main panel network) or  |
| Product dimensions (mm)              | 380 W x 235 H x D 96mm (hole required for flush mounting = 367 W x 220 H x 75 D mm. No bezel required).   |
| Construction & finish                | Plastic lid and base; RAL7035 textured  |
| IP Rating                            | IP30.   |
| Weight                               | 1.8kg (without batteries).  |
| Operating conditions/temperature     | -5°C to +40°C. Max relative humidity: 95%.  |