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Illumino Ignis Ltd™
LIGHTING & FIRE DESIGN, SUPPLY & SUPPORT

CFP AlarmSense 4 Zone Two-Wire Fire Alarm Panel

Two-Wire - Panel

Part No. CFP704-2

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Product Details

LPCB certified to EN54-2/4, C-TEC's CFP two-wire 4 zone AlarmSense fire panel is designed to work with Apollo's AlarmSense range of detectors, call points, sounders and visual indicators. Most conventional fire systems work with two pairs of wires per zone: one pair for detection devices; the other for alarm devices. By using different voltage bands for quiescent and alarm states, AlarmSense components can be connected to the same pair of supply wires. This reliable technology takes all of the complexity out of fire system design, leading to quicker, more flexible installation and around a 20-25% reduction of labour over a standard four wire system. The CFP704-2 includes four AlarmSense zones, four conventional sounder circuits, class change & alert inputs and on-board fire & fault relays. A wide range of engineering functions are also provided including selectable zone delays, coincidence and non-latching zone facilities. Optional repeaters and relay expansion boards also available.



Key Features

- Third-party certified to EN54 parts 2 and 4 by the Loss Prevention Certification Board (LPCB).
- Intuitive user-friendly interface with colour-coded buttons and combined keypad/keyswitch entry.
- Manufactured by C-TEC in the UK.
- Four AlarmSense zone circuits - compatible with Apollo's AlarmSense detectors, call points, sounders and visual indicators.
- Four conventional sounder circuits.
- Integral 1.5A EN54-4/A2 compliant switch mode PSU.
- Wide range of engineering functions including zone test, coincidence, zone delay and non-latching zones.
- Two on-board relays (Fire and Fault).
- Two open-collector outputs (Remote and Reset).
- 'Class change' and alert inputs.
- Installer-friendly design.
- Attractive flush or surface mountable plastic lid and enclosure - no bezel required.
- Low 25mA quiescent current.
- Multiple indicators.
- System expansion connections provided for up to eight two-wire repeaters (one CFP761 network card required per system).
- Space for two x 12V 3.3Ah VRLA batteries.

Technical Specifications

Approvals/certifications	Certified to EN54-2 & 4 by the LPCB
Mains supply	230V 50/60Hz.
Mains rated current	350mA maximum
Internal power supply	19V-28.5V (27V nominal). Ripple 7V maximum (battery fault).
Total output current limited to	1.5A @ 230Vac (ImaxA eq 146mA).
Quiescent current	25mA (mains failed, internal sounder active, PSU & gen fault LED lit)
Max battery size and type	2 x 12V 3.2Ah VRLA connected in series. Min. battery size 1.2Ah.

0203 00 44 855
sales@illuminoignis.co.uk
illuminoignis.co.uk

Illumino Ignis Ltd, Ignis House,
Imperial Way, Eagle Business Park,
Yaxley, Cambridgeshire, PE7 3GP

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Technical Specifications - Continued

No. of detector zone circuits	The CFP704-2 has 4 AlarmSense zone circuits which are compatible with Apollo's Alarm-Sense range of detectors & call points AND sounders & visual indicators. (Max. length per circuit is 500m).
Call point resistor value	Only use AlarmSense call points
Max. devices per detector zone	25 AlarmSense detectors/manual call points per AlarmSense zone. For AlarmSense sounder limitations per AlarmSense zone see 'Max. sounder output current' section
No. of conventional sounder circuits	4 – these are additional conventional (non-AlarmSense) sounder circuits; Max. length per circuit is 500m.
EOL resistor value	6800Ω 5% Tol. 0/25W (blue, grey, red, gold).
Alarm voltage	27V max, 20V min (final battery voltage)
Auxiliary relays	Two: (1) Aux. Fire; (2) Fault. Volt free single pole changeover. Max. switch current 1A; Max. switch voltage 30Vdc
Open collector outputs	Two: (1) Reset (Active during reset cycle); (2) Remote (Active during any unsilenced fire condition provided all relevant delays have expired). Max. sink current 30mA, Max. open circuit volt
Other outputs	24V Aux. Power (Protected by a resettable fuse. 100mA min. hold current. Resets when fault removed).
Auxiliary inputs	Two: (1) 'Class Change' (constant sounders); (2) Alert (pulsed sounders). Connect to 0V to trigger, Max. input voltage 27V (non-latching)
Engineer (AL3) functions	Program coincidence (double knock); Invoke One Man Walk Test; Program delays; Set up zones for nonlatching operation; Program sounders to resound (or not resound)
Expansion connections	Yes – for optional network driver cards (one required per repeater system), relay output cards and EN54-13 sounder circuit interface boards.
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	1.75kg (without batteries)

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