



FIRE & SECURITY

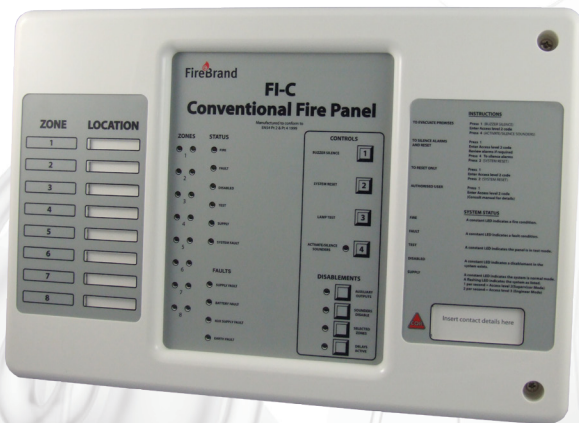


FIREBRAND

DATA SHEET

FI-C Conventional Panel Conventional Fire control panel

The FI-C range of conventional control panels features three models with 2, 4 and 8 Zones of detection. Housed in a stylish modern ABS housing, the FI-C is the ideal control panel for smaller installations.



Designed and manufactured to comply with the requirements of EN54 parts 2 and 4(1998) the panel uses active End of Line monitoring to permit head removal protection as required by BS5839. (detector bases must be fitted with Diode)

Programmable Zone coincidence and alarm delay timer (0-10 min) are standard features to help reduce false alarms.

The one man test facility enables simple and rapid testing of the system at commissioning and during maintenance operations.

Features:

- Two, four and eight zone non-expandable control panels.
- Up to 32 conventional smoke and/or heat detectors per zone.
- Active End of Line monitoring
- Programmable non-latching zones
- Delay timer programmable on/off per zone
- Zone coincidence programmable for adjacent zones.
- Two Access Levels
- One man test
- Supervised auxiliary 24 volt output
- 2 supervised/ monitored sounder circuits
- 2 programmable inputs for Class change, Day / Night operation, remote silence, remote reset etc.
- 2 Relay outputs fire and fault
- Power supply 1,7A at 28Vdc nominal (max)
- Fully EN54 part 2 and 4 compliant

Future Features:

- Repeater output
- Multiplexed output for LEDs and additional relay outputs per zone
- Addressable Loop Interface card

| Ordering info | Description |
|---------------|---------------------------|
| FI/PN/C/2 | 2 Zone Conventional Panel |
| FI/PN/C/4 | 4 Zone Conventional Panel |
| FI/PN/C/8 | 8 Zone Conventional Panel |



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| <i>Power Supply Specification</i> | |
|--|---|
| Mains supply voltage | 85-264V 50/60 Hz |
| Internal power supply | Min. 20 V DC – Max. 30 V DC (28.5 V DC nominal) Max. Ripple 1 V peak-peak |
| Total output current | 1.7A @230Vac |
| Supply and battery charger monitored? | YES |
| Batteries monitored | YES |
| Max Battery size | 2 x 12V 7AH VRLA |
| Mains Fuse | 4 A – 250 V Slow Blow – 20 mm |
| Battery Fuse | 1.6 Amp Resettable – Electronic Fuse |
| Max Current Draw from Battery (Mains Fail) | 1.5 Amp Max.@ Max. Operating Temperature |
| <i>Detection Circuit Specification</i> | |
| Number of circuits | 2,4 or 8 |
| Max Cable resistance | 40 ohms |
| Max Cable Capacitance | 0.470 µF |
| End of Line Monitoring | Active EOL – CAPACITOR (50v 10µF) |
| BS5839 Detector removal compliant | YES provided diodes are fitted to detector base |
| Max. Number of Smoke/heat detectors per zone | 32 – according to EN54 pt.2 |
| Call point resistor value | 470 to 680 Ohms |
| <i>Sounder Circuit Specification</i> | |
| Number of circuits | 2 |
| End of Line Resistor value | 10 K Ohms |
| Monitoring | Open and short circuit |
| Alarm Voltage | 27.5 V DC |
| Sounder circuit Fuse | 1.1 Amp resettable (Electronic Fuse) |
| Max. Current available | 1 Amp @ 27.5 V DC Nominal |
| <i>Auxiliary Outputs</i> | |
| Aux power output | 27.5 V DC Nominal – Max. Current Drawn 300 mA |
| Fire relay | Active in Fire condition, load 30V DC/1A resistive |
| Fault relay | Active in Fault condition, load 30V DC/1A resistive |
| <i>Auxiliary Inputs</i> | |
| Class Change / Evacuation | Non-Latching – Voltage free contact |
| Remote Reset | Non-Latching – Voltage free contact |
| Remote Day / Night operation | Non-Latching – Voltage free contact |
| <i>Dimensions</i> | |
| Size | 264 (W) x 392 (L) x 104 (H) mm |
| Weight without batteries | 1.6 Kgs |
| <i>Operating Conditions</i> | |
| Operating Temperature | 0 to +40°C |
| Max Relative Humidity | 95% non condensing |



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