

CF2000 range - Intelligent addressable control panel



The Eaton CF2000 is an entry level intelligent addressable control panel which can be configured for either 1 or 2 loop operation, and is certified to EN54 parts 2 & 4.

The panel has a graphic display, providing a simple menu driven end user interface. With the CF2000's ability to support Eaton cause and effect programming and a range of user controllable functions it makes the panel suitable for a varied range of projects from small warehouses to small/medium office developments as well as many small industrial applications.

As with all Eaton intelligent addressable panels, the CF2000 uses "spur tolerant" soft addressing to minimise installation time and remove the potential for errors often associated with many forms of manual addressing.

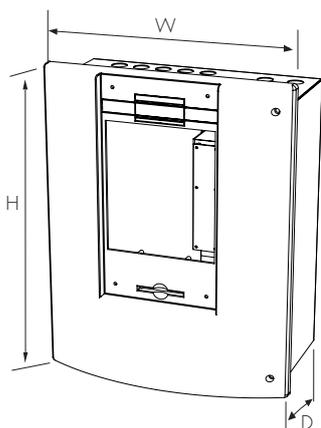
Features and benefits

- Configurable as a 1 or 2 loop panel
- Up to 200 addresses per loop (up to 60 sounders/beacons and up to 20 I/Os, subject to loop loading calculations)
- Soft addressing
- Menu-driven graphic screen
- Multi-language selection capability
- Integral battery and power supply
- 2x7Ah batteries included
- Easy to operate end user controls
- Full system integrity with Eaton developed protocol
- Core range of compatible devices
- 4 sounder circuits
- Monitored for open and short circuit (max 3.0A combined)

Technical specification

| Code | CF2000 |
|-----------------------------|---|
| Description | 2 loop control panel |
| Standards | EN54 Pt2 1997, A1: 2006 EN54 Pt4 1997, A1: 2002 & A2: 2006 |
| Specification | |
| Number of loops | 2 |
| Addresses per loop | 200 |
| Panel sounder circuits | 4 outputs, 1A total (programmed in pairs - outputs 1 & 2, 3 & 4) |
| Class change facility | Operated by external, normally open, volt free contacts |
| Auxiliary relay | One set of change over contacts, operated in the event of fire activation |
| Auxiliary fire | |
| Routing equipment output | Monitored 24V dc, 30mA (max) auxiliary fire |
| Protection equipment output | Monitored 24V dc, 30mA (max) auxiliary fault |
| Routing equipment output | Monitored 12V dc, 30mA (max) |
| Mains input voltage | 230V ac +10% / -15% |
| Operating voltage | 24V dc |
| Batteries | 2 x 12V 7Ah |
| Standby duration | 24 hours (dependant on loop loading) |
| Environmental | |
| Operating temperature | -5°C to +40°C |
| Humidity (non condensing) | 0 to 93% (+2/-3%) RH |
| Physical | |
| Construction | Back box - mild steel, door - PC/ABS |
| Colour | Graphite |
| Dimensions (H x W x D) | 400mm x 320mm x 170mm 15kg |
| Weight | 15kg |
| Ingress protection | IP30 |
| Cable entry | Top: 20 entry cable knockouts (20mm) Rear: 7 entry cable knockouts (20mm) |

Dimensions



| H (mm) | W (mm) | D (mm) |
|--------|--------|--------|
| 400 | 320 | 170 |

Installation

The CF2000 has been designed with ease of installation as a major objective.

The panel back box can be surface mounted with cable entry points to both the top and rear. The mother board and integrated power supply are mounted on a sub chassis which is easily removed to aid panel fitting.

Back box mounting is further assisted with the provision of a drill template allowing the mounting screw holes to be pre-drilled and the top two mounting screws fitted prior to final positioning of the back box.

Ample room is provided within the back box for the termination of external cables and bonding of cable screen wires.

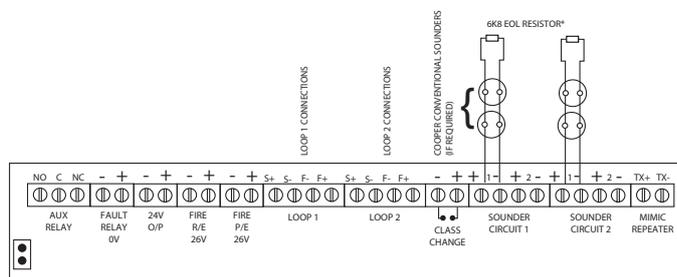
System configuration

The CF2000 can be configured to operate as a 1 or 2 loop panel. Using Eaton system protocol the panel "auto learns" the equipment mounted on the loop(s) and "soft addresses" each item, ensuring a simple setup procedure and reducing the time required for system setup.

All loop mounted equipment has integral short circuit isolators, ensuring loop integrity is maintained should a short circuit fault occur on the loop.

A comprehensive range of interface units are available and compatible with the CF2000.

Standard panel connections



* required to be fitted to terminal if circuits not used

Catalogue numbers

| Code | Description |
|-----------------|---|
| 910187FULL-0198 | CF2000 Intelligent addressable 2 loop control panel |
| MFALOG | Fire alarm system log book |