

R6000 Range & Floor Rack Unit

Eaton's Cooper intelligent addressable control panel



The R6000 range of 19" rack mounted, fully modular control panels, consists of a number of different plug in modules, each of which is dedicated to a particular function within the complete control panel.

These modules facilitate the requirements of fire detection, alarm signalling, PA/VA, plant control etc.

The R6000 range of rack mounted control panels have the capability to be networked to other Cooper intelligent addressable panels, repeaters and mimic panels as well as an alarm manager graphic system, providing the perfect solution for all medium and large fire detection

systems. This flexible system allows for modules to be added or removed without major modification even after manufacture and commissioning has taken place.

The floor rack unit (39UECRACK) is constructed from mild steel and is used to house the R6000 rack mounted control panels.

Features

- Capacity for up to:
 - 126, 19" rack modules
 - 504 loops
 - 64,512 addressable points
- Soft addressing
- Large versatile touch-screen user interface
- Multi-language selection capability
- Flexible cause and effect programming
- Integral battery and power supply

Benefits

- Simple to operate end user touch-screen interface
- Easy system integration
- Ease of system modification
- System can grow as the site expands
- Single point access or distributed networking possible
- Full range of compatible accessories

Technical Specification

| Code | R6000L2 | R6000L4 |
|--|---|---|
| Description | 2 Loop Control Panel | 4 Loop Control Panel |
| Standards | EN54 Pt2, 1997, A1:2006, EN54 Pt4, 1997, A1:2002, A2:2006 | EN54 Pt2, 1997, A1:2006, EN54 Pt4, 1997, EN54 Pt4, 1997, A1:2002, A2:2006 |
| Specification | | |
| Number of Loops | 2 | 4 |
| Addresses per Loop | 200 | 200 |
| Number of Conventional Sounder Circuits | 4 monitored for open and short circuit | 4 monitored for open and short circuit |
| Auxiliary Fire Routing Equipment Output (Monitored) | 24V 30mA (max) | 24V 30mA (max) |
| Auxiliary Fire Protection Equipment Output (Monitored) | 24V 30mA (max) | 24V 30mA (max) |
| Auxiliary Fault Routing Equipment Output (Monitored) | 12V 30mA (max) | 12V 30mA (max) |
| System Operating Voltage | 24V dc (nom) | 24V dc (nom) |
| Mains Input Supply | 230V ac +10% / -15% | 230V ac +10% / -15% |
| Class Change Facility | Terminals for connection of external contacts, can also be instigated via input interface | Terminals for connection of external contacts, can also be instigated via input interface |
| Auxiliary Relay | 1 set of changeover contacts operate in event of fire condition | 1 set of changeover contacts operate in event of fire condition |
| Output Ports | RS485, RS232 for connection of repeaters etc | RS485, RS232 for connection of repeaters etc |
| Standby Duration | Dependant on loop loading and battery configuration | Dependant on loop loading and battery configuration |
| Battery | 2 x 12Ah (standard versions) 4 x 12Ah (EB versions) | 2 x 12Ah (standard versions) 4 x 12Ah (EB versions) |
| Environmental | | |
| Operating Temperature | -5°C to +40°C | -5°C to +40°C |
| Humidity (Non Condensing) | 0 to 75% RH | 0 to 75% RH |
| Physical | | |
| System Networking | Fully networkable up to 126 panels (requires additional network card - 1 per panel) | Fully networkable up to 126 panels (requires additional network card - 1 per panel) |

Floor Rack Unit (39UECRACK)

| Code | 39UECRACK | | | |
|------------------------|---|--------|-------|-------|
| Description | Floor Rack Unit | | | |
| Standards | EMC: EN55103-1 & EN55103-2 LVD: EN60065 Product Family: EN54 Pt16 & Pt4 | | | |
| Physical | | | | |
| Construction | Mild Steel | | | |
| Colour | Light Grey | | | |
| Dimensions (H x W x D) | H | W | D | |
| | 18u | 990mm | 600mm | 800mm |
| | 27u | 1360mm | 600mm | 800mm |
| | 39u | 1930mm | 600mm | 800mm |
| | 42u | 2070mm | 600mm | 800mm |
| | 45u | 2205mm | 600mm | 800mm |
| Weight | | | | |
| | 18u | 55kg | | |
| | 27u | 85kg | | |
| | 39u | 115kg | | |
| | 42u | 145kg | | |
| | 45u | 150kg | | |

Catalogue numbers

| Description | Code |
|---|--------------|
| 2 Loop Control Panel (rack mount) | R6000L2 |
| 4 Loop Control Panel (rack mount) | R6000L4 |
| Add to end of product code if network card required | NC |
| 19 inch floor rack unit | 39UECRACK |
| 1 unit blanking plate | 1UPLATE |
| 2 unit blanking plate | 2UPLATE |
| 3 unit blanking plate | 3UPLATE |
| 6 unit blanking plate | 6UPLATE |
| Pack of fixings (1 require per blanking plate) | ECRACKPACK43 |