

# 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 93% (+2/-3%) RH	0 to 93% (+2/-3%) 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