EFCV series -Conventional control panel



Eaton's 8 zone conventional fire system panel delivers a straightforward, intuituve interface that makes programming and maintenance simple.

Approved to EN54-2&4, it offers a comprehensive set of functionalities in a modern, robust and discrete enclosure. It's appearance and performance makes the panel well suited for life safety notification in a wide variety of small to medium sized buildings, particularly schools, warehouses, retail stores and office buildings.

With the addition of an isolator barrier the panel has the additional flexibility to monitor standard or intrinsically safe conventional zone circuits, making it suitable for industrial applications.

	EFCV8ZONE
No. of zones	8
Detectors per zone	32
Maximum loading per zone	32mA
Repeater Port	✓
No. of sounder circuits	4
Maximum loading per sounder circuit	250mA

Features

- Zones switchable between standard conventional and intrinsically safe zones (using isolator barrier)
- One man test facility
- Class change input
- Interlink relay functionality for connecting 2 panels together
- Supports an expansion card for Fire Routing Equipment, Fire Protection Equipment and fire relays per zone.
- Modern and discreet enclosure

Benefits

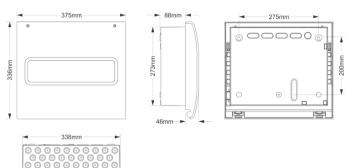
- Flexibility to configure zones to work in ATEX areas using an isolator barrier
- Simple system testing by a single fire alarm technician
- Capability to sound class change bell in schools
- Interlink relay allows for greater system flexibility
- Comprehensive protection for safety of building occupants
- Panel not out of place in public areas



Technical specification

Reference	EFCV8ZONE		
Description	8 zone co	onventional panel	
Power Specification			
Input Voltage Range	18.75-30.7V		
Maximum Current Drawn From Battery	2.7A		
Zone Circuits			
Number of Zones	8		
Maximum Loading Per Zone	Standard Mode: 32 Detectors and manual manual call points Intrisically Safe Mode: 10 Detectors and manual call points		
Standby Zone Voltage	Vmin 19V dc		
	Vmax 23V dc		
Alarm Zone Voltage	Vmin 31V dc		
	Vmax 33V dc		
Fuse Protection Per Zone	250mA PTC		
End of Line A Termination	Standard Conventional Zones = EOLM-1 Only Intrinsically Safe Zones = SKI Resistor		
Conventional Sounder Circuits			
Number of Sounder Circuit	4		
Maximum Loading Per Circuit	250mA		
Fuse Protection Per Circuit	250mA F	250mA PTC	
End of Line B Termination	6K8 Resistor		
Unmonitored Outputs			
Fire, Fault, Interlink Relay	Туре	Volt-Free, Single Pole Double Throw	
_	Rating	30V DC, 1A	
	Fuse	500mA PTC	
Auxiliary Output	V	18.15-30.7V	
	Imax	50mA	
	Fuse	50mA PTC	
Unmonitored Inputs			
Class Change	Туре	Open Circuit = Normal Panel Operation Short Circuit = Activate All Sounders	
Communications Ports			
Repeater Port (use of this port	Туре	RS485	
is outside the scope of EN54)	Nodes	1	
Environmental			
Operating Temperature	-5°C to +	40°C	
Relative Humidity	93% +/-3	3% non-condensing	
IP Rating	IP30		
Mechanical			
Dimensions	375mm (375mm (W) x 366mm (H) x 134mm (D)	
Weight (excluding batteries)	2,25kg		
Materials	PC ABS Front and Rear		
Cabling			
Cable Access	29 x 20mm drill positions - Slots for rear cable entry		
Cable Type	Firetuf FT120 / FP200		
-		pe 2 core 1.5mm, 2 screened fire ale, 500m (max per zone)	
Compliance			
Standards	EN54 Pai	rt 2 CIE & Part 4 PSE, BS5839-pt	

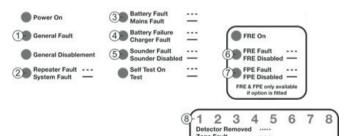
Dimensions



Description	Height (mm)	Width (mm)	Depth (mm)
Complete Panel	336	375	134
Backbox	273	338	88

Status indication

1.



- When the fire panel enters a fault condition it will turn on the General Fault indicator and the appropriate fault indicator (refer to 8 for more details). The panel buzzer will sound a slow pulsing
- System Fault Severe failure of the panel, the service company must be contacted immediately.
 Research Fault – Communication with a consector panel has been
 - Repeater Fault Communication with a repeater panel has been lost
- 3. Battery Fault Battery voltage missing Mains Fault – Mains supply missing
- 4. Battery Failure Battery impedance failure Charger Fault – Charger voltage missing
- Sounder Fault Short circuit or open circuit condition detected on the sounder circuit will prevent the activation of sounders if fitted on that sounder circuit
- 6. FRE Fault Short circuit or open circuit condition detected on the FRE output
- 7. FPE Fault Short circuit or open circuit condition detected on the FPE output
- 8. Zone Fault Short circuit or open circuit condition detected on the zone.

Catalogue numbers

Description	Code
Eaton 8 zone conventional panel	EFCV8
End of line module	EOLM-1
8 zone relays + FRE/FPE	BW0B8Z