

EFBWCV-REPEATER - BiWire/Conventional repeater panel



Eaton's new BiWire and Conventional repeater panel is compatible with our 2 zone, 4 zone and 8 zone BiWire-Ultra (EFBWxZONE), BiWire-Flexi (EFBWxZFLEXI) and the latest release of conventional panels (EFCVxZ).

Up to 3 EFBWCV repeater panels can be daisy-chained to a single control panel, allowing all repeater panels to replicate the visual and audible fire and fault information of the control panel.

With an integral power supply the only wiring required for the repeater panel is the mains input to the power supply unit and the data cable between the fire control panel and each repeater panel.

Features

- Can be used with 2, 4 and 8 zone control panels
- Internal Power supply
- Up to 3 repeaters per control panel
- Same modern enclosure as control panels

Benefits

- One model fits 2, 4 and 8 zone control panel installations
- Simple unit cabling
- Ability to have several repeaters on same installation
- Family look
- Repeater panel not out of place in public areas



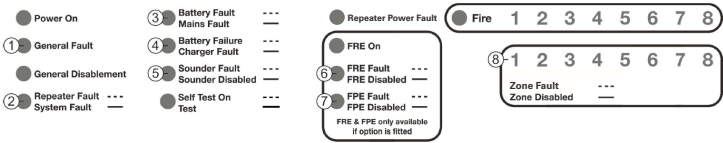
Powering Business Worldwide

Technical specification

Reference		EFBWCV-REPEATER	
Description		Repeater panel	
Power Specification			
Input Voltage Range		18.75-30.7V	
Maximum Current Drawn From Battery*		2.7A	
Communications Ports			
Repeater Port (use of this port is outside the scope of EN54)		Type	RS485
		Nodes	Up to 3 repeaters and a fire panel
Environmental			
Operating Temperature		-5°C to +40°C	
Relative Humidity		93% +/-3% non-condensing	
IP Rating		IP30	
Mechanical			
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 2 core 1.5mm, screened fire rated cable, 500m (Max per zone)	
Compliance			
Standards		BS5839-pt1	

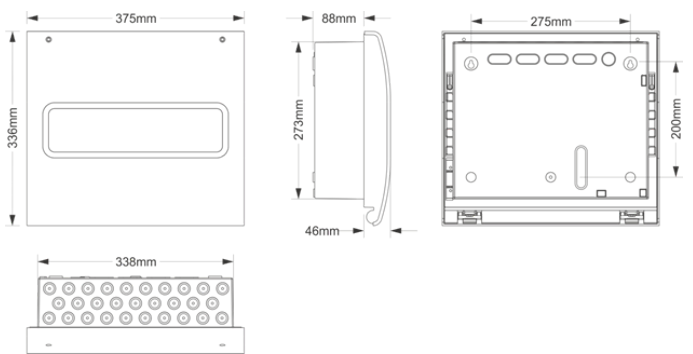
*Batteries not supplied

Status indication



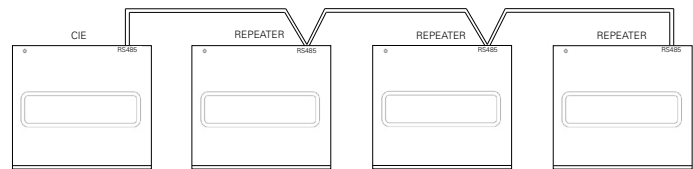
1. When the fire panel enters a fault condition it will turn on the General Fault indicator and the appropriate fault indicator (refer to 8 for more details). The repeater will display the same General Fault and appropriate fault indicators.
2. System Fault – Severe failure of the panel, the service company must be contacted immediately.
Repeater Fault – Communication between a detection and 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
5. 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. FIRE Fault – Short circuit or open circuit condition detected on the FIRE 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.

Dimensions



Description	Height (mm)	Width (mm)	Depth (mm)
Complete Panel	336	375	134
Back-box	273	338	88

System Wiring



Catalogue numbers

Description	Code
BiWire/Conventional Repeater Panel	EFBWCV-REPEATER