© Illumino Ignis Ltd. 2026. All Rights Reserved

Illumino Ignis Ltd™
LIGHTING & FIRE DESIGN, SUPPLY & SUPPORT

Conventional and BiWire Flexi control panel

Panel

Part No. EFBW2ZFLEXI | EFBW4ZFLEXI | EFBW8ZFLEXI

www.illuminoignis.co.uk

Product Details

Eaton's Flexi panel combines two technologies to provide a truly versatile fire safety solution.

The panel can be configured to allow either two-wire or conventional devices to work on a zone. Each zone is individually configurable so a mixture of types can therefore be installed on the same system. This provides you with the flexibility to utilise all the time-saving benefits of a two-wire system with the ability to use a wide range of conventional devices, where required.

Flexi relieves the pressure of system selection. It is the perfect solution for electrical installers and distributors as it takes complexity out of the decision when specifying a fire system. It can be wired to meet the requirements of a variety of applications and is well suited to extend an existing fire system.

It features a straightforward, intuitive interface, providing a proven solution for simple programming and maintenance.

The BiWire Flexi fire alarm system is certified to EN54 part2 and part 4 and is designed to meet the recommendations of BS5839 part 1.



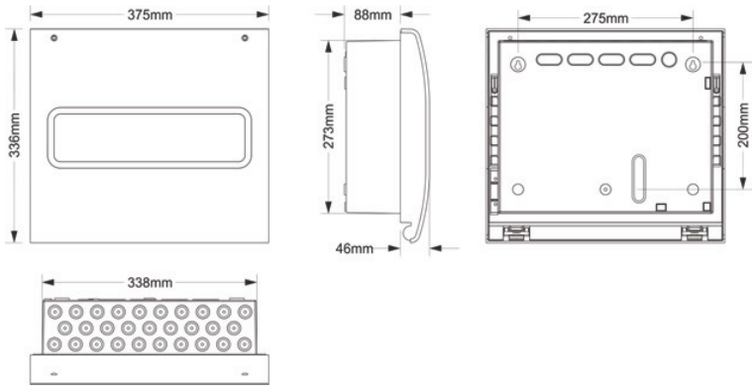
Key Features

- Configure zone wiring to work as either a conventional or two-wire panel
- Available in 2, 4 and 8 zone variants
- Allows the connection of an existing conventional system to a BiWire system
- Compatible with two-wire and conventional EN 54-23 certified visual alarm devices (VADs)

Benefits

- Reduces stock-holding and enables the fire system to adapt to the demands of the customer or application
- Simple to sell and specify, Flexi can be used in a wide variety of applications and is very simple to install
- Save time, money and effort when undertaking system extensions and upgrades
- Up-to-date with latest regulations

Dimensions



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

0203 00 44 855
sales@illuminoignis.co.uk
illuminoignis.co.uk

Illumino Ignis Ltd, Ignis House,
Imperial Way, Eagle Business Park,
Yaxley, Cambridgeshire, PE7 3GP

© Illumino Ignis Ltd. 2026. All Rights Reserved

Illumino Ignis Ltd™
LIGHTING & FIRE DESIGN, SUPPLY & SUPPORT

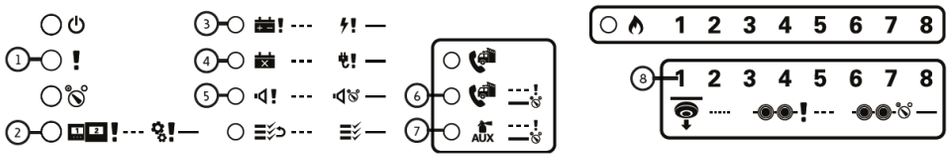
Conventional and BiWire Flexi control panel

Panel

Part No. EFBW2ZFLEXI | EFBW4ZFLEXI | EFBW8ZFLEXI

www.illuminoignis.co.uk

Status indication



1. When the fi re 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 tone.
2. System Fault – Severe failure of the panel, the service company must be contacted immediately. 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
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. 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.

Technical Specifications

Power Specifi cation (2x MB512 batteries required. Batteries not included).	Input Voltage Range	18.75-30.7V		
	Maximum Current Drawn From Battery	2.7A		
Zone Circuits	Number of Zones	2	4	8
	Devices Per Zone	• BiWire Mode: Max of 32 BiWire Detectors and Manual Call Points, total loading including BiWire sounders cannot exceed 200mA in alarm • Conventional Mode: Max 32 Conventional Detectors and Manual Call Points		
	Maximum Loading per Zone	200mA		
	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 Termination	BiWire Zones = EOLM-3 Only Standard Conventional Zones = EOLM-1 or EOLM3		

0203 00 44 855
sales@illuminoignis.co.uk
illuminoignis.co.uk

Illumino Ignis Ltd, Ignis House,
Imperial Way, Eagle Business Park,
Yaxley, Cambridgeshire, PE7 3GP

© Illumino Ignis Ltd. 2026. All Rights Reserved

Illumino Ignis Ltd™
LIGHTING & FIRE DESIGN, SUPPLY & SUPPORT

Conventional and BiWire Flexi control panel

Panel

Part No. EFBW2ZFLEXI | EFBW4ZFLEXI | EFBW8ZFLEXI

Technical Specifications - Continued

Conventional Sounder Circuits	Number of Sounder Circuit	• BiWire Flexi 2 & 4 zone panels have 2 conventional sounder circuits • BiWire Flexi 8 zone panel has no conventional sounder circuits if all zones are in BiWire mode • BiWire Flexi 8 zone panel has 2 conventional sounder circuits if up to 4 zones are in conventional mode • BiWire Flexi 8 zone panel has 4 conventional sounder circuits if 5 or more zones are in conventional mode	
	Maximum Loading Per Circuit	250mA	
	Fuse Protection Per Circuit	250mA PTC	
	End of Line Termination	6K8 Resistor	
Unmonitored Outputs	Fire, Fault, Interlink Relay	Type	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	Type	Open Circuit = Normal Panel Operation Short Circuit = Activate All Sounders
Communications Ports	Repeater Port (use of this port is outside the scope of EN54)	Type	RS485
		Nodes	1
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	Firetuf FT120 / FP200	
		Cable type 2 core 1.5mm, screened fire rated cable, 500m (Max per zone)	
Compliance	Standards	EN54 Part 2 CIE & Part 4 PSE, BS5839-pt1	

0203 00 44 855
sales@illuminoignis.co.uk
illuminoignis.co.uk

Illumino Ignis Ltd, Ignis House,
Imperial Way, Eagle Business Park,
Yaxley, Cambridgeshire, PE7 3GP