JBE-2200

Addressable Conventional Zone Module

Key Features

- Powered from the loop (2 wires) configurable
- Front LED indicator
- Monitored external PSU
- Remote indicator output
- Backbox with connection terminal allow easy removal/installation
- Programmable soft address by means of JBE-AT1 tool
- EN 54-18 certificate

JBE-2200 is an addressable conventional zone module designed to operate on a loop of intelligent fire detection and alarm devices with the JBE loop protocol.

The module is loop-powered or loop–powered plus 24 V DC power bus. It provides one conventional zone to the fire detection system controlled by the fire panel.

This conventional zone is electrically isolated from the loop and can be used for monitoring the state of one conventional zone. Zone modules are often used to monitor third–party equipment.

When the zone is activated, the LED turns on and the module reports the event to the fire panel.

The JBE-2200 will notify the control panel if there is a disconnection in the pair of cables which lead to the monitored 24 V DC power bus equipment.

Accessories

All the module interfaces are provided with their own base JBE-2175 but it is also available as a replacement or spare part.

This base JBE-2175 is compatible with:

- Addressable Input Module JBE-2120
- Addressable Output Module with Feedback Input JBE-2125
- Isolator Module JBE-2150
- Addressable Conventional Zone Module JBE-2200

TECHNICAL DATA	
Category	EN 54-18 input output module
Working voltage	19-30 V (JBE protocol pulse amplitude)
	20-30 V (24 V DC power bus)
Connection	2-wire JBE communication bus, no polarity
	20-30 V (24 V DC power bus)
Wiring	Twisted pair, max. wiring gauge 2.5 mm^2
Quiescent current from Loop	≤ 9 mA @24 V (Current from the loop - Quiescent)
	≤ 46mA @24 V (Current from the loop - Alarm)
Activation current from 24 V DC	≤ 2 mA @24 V (Current from the loop)
	≤ 8 mA @24 V (Current from 24 V DC - Quiescent)
	≤ 42 mA @24 V (Current from 24 V DC - Alarm)
EOL zone	4.7 kΩ
EOL external PSU	4.7 kΩ
Working temperature	-10 to +55°C
Storage temperature	-20 to +60°C
Environment humidity	≤ 95% RH (no condensation nor icing)
Addressing method	Soft addressing with tool JBE-AT1, non-volatile
Address range	1-200
LED Indication	Standby: Flashes when polled
Red (ALARM)	Alarm: Steady on when in alarm
LED Indication	Open: Steady on
Orange (FAULT)	Low Voltage: 1 pulse per second
	Short Circuit: 2 pulses per second
	High Consumption: Continuous pulse train
	Reset: Pulse train during reset process (3 seconds)
Dimensions (LxWxH)	85 mm × 85 mm x 41 mm
Weight	0.1 kg (including base)
IP rating	IP40
Standards	EN 54-18:2005 ; EN 54-18:2005/AC:2007
Declaration of Perf.	DoP-0370-CPR-6272-1

Installation

Always observe local fire and electric installation regulations
1. Secure the base to the wall (surface or flush mounted).
2. Connect the wiring to the base according to the desired application.
3. Program an unused loop address (1 to 200) to the module using the JBE-AT1 tool.
4. Insert the module into its base and push firmly.
5. Register the module into the fire panel's configuration.
6. Test wiring integrity after installation.

Terminals	Connection
4 & 5	Signal loop L1, L2 (no polarity)
2 & 3	24-V power line, 2: Positive, 3: Negative.
1 & 6	Remote indicator (optional)
7 & 8	Conventional zone
9 & 10	24 V DC supervised input

Mechanical dimensions in mm) and connection diagram: