EC200

Eaton's Cooper Dual-Channel LonWorks BMS Interface



The control panels on a Cooper fire network communicate using pre-configured network-variables and cannot normally be used with a BMS where binding is required.

The (EC200) dual-channel LonWorks BMS interface is an "add-on" to the network which translates the pre-configured network variables to a set of un-configured network variables which can then be bound to a BMS, giving full access to the fire network data.

The gateway has 2 channels:

Channel 1 - connects to the Cooper fire network

Channel 2 - connects to the BMS

Features

- Allows a Cooper fire network to be controlled by a LonWorks enabled BMS
- Uses Echelon FT5000 smart transceivers for high noise immunity
- 32 message input buffer

Benefits

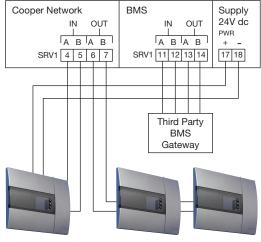
- Compact DIN rail mounting enclosure
- Fully compatible with Cooper fire network (no need for binding)
- Open protocol to 3rd party BMS system



Technical Specification

Code	EC200	
Description	Dual-Channel LonWorks BMS Interface	
Standards	CE / UL compliant	
Specification		
Supply Voltage	12V dc to 30V dc	
Supply Current	< 30mA	
Transceivers	Echelon FT5000 / FT-X1	
Baudrate	78kbs	
Connectors	5mm screw terminals	
Physical		
Enclosure	ABS DIN Rail mounting.	
Dimensions (H x W x D)	86mm x 105mm x 58mm	

Typical System Architecture



Cooper Intelligent Addressable Control Panels

If the EC200 is located at the end of the system (spur) a 102Ω termination resistor must be fitted 1A, 1B.

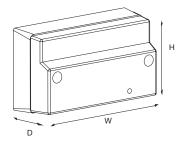
Standard Connections

PIN	Description	
4	CHANNEL 1 A	
5	CHANNEL 1 B	
6	CHANNEL 1 A	
7	CHANNEL 1 B	
11	CHANNEL 2 A	
12	CHANNEL 2 B	
13	CHANNEL 2 A	
14	CHANNEL 2 B	
17	SUPPLY +	
18	0V	

Channel 1 - must beconnected to the Cooper fire network

Channel 2 - must be connected to the BMS

Dimensions



H (mm)	W (mm)	D (mm)
86	105	58

Powering Business Worldwide

Catalogue numbers

Description	Code
Dual-channel LonWorks BMS Interface (non handshake)	EC200
Dual-channel LonWorks BMS Interface (handshaking)	EC200H
Dual-channel LonWorks BMS Interface (self configuring or use with EC700)	EC200S