EC0232 - Intelligent addressable Lon to RS232 adapter



The EC0232, Lon to RS232 adapter allows connection of Eaton's system network (LonWorks) devices to PC based applications such as site monitor, site graphics.

The EC0232PAVA offers a similar interfacing facility to the HMX PA/VA (public address voice alarm) system by withholding the handshaking functionality, and if required the EC0232PAVA3D offers an additional 3 minute time delay before the voice alarm function is actuated. The bi-directional link allows the status of the HMX PA/VA system to be displayed and monitored at the control panel. Different messages may be played depending on the configuration of the cause and effect programming.

The interface may be located anywhere on Eaton's peer to peer network allowing information from any intelligent addressable control panel to be routed through the bi-directional RS232 port to PC or PA/VA system.

Features and benefits

- Allows connection of Eaton's system network devices to PC based applications
- Can be connected at any point on peer to peer network
- Allows Eaton's system network to be connected to PC or PA/VA
- Integrates PC based applications
- Integrates PA/VA systems, site monitor and graphpack
- Flexibility to use any PC application

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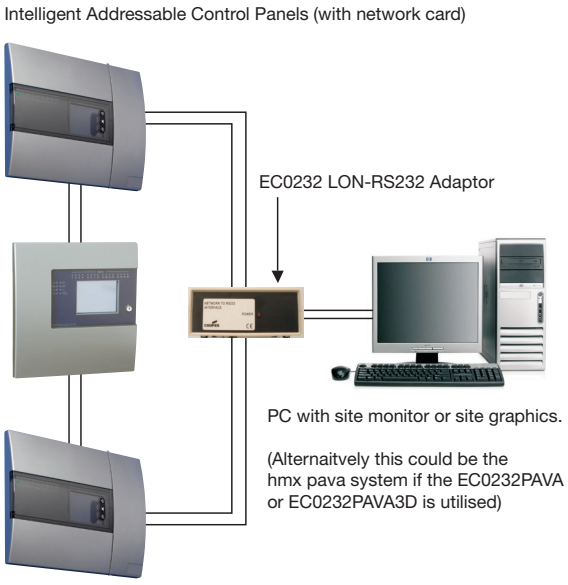
Technical specification

Code	EC0232 / EC0232PAVA / EC0232PAVA3D
Description	Lon to RS232 adapter
Specification	
Mains supply	230V ac +10% -15%
Communication protocol	LonWorks
LonWorks connectors	Screw terminal block
LonWorks rate	78 Kbps / 1.25 Mbps
Bit error rate	10e-9
Serial baud rate	4800 bd
Network termination	102 ohm (if required)
Environmental	
Operating temperature	-10°C to +70°C
Humidity (non condensing)	20 to 95% RH
Physical	
Dimensions (H x W x D)	36mm x 116mm x 135mm

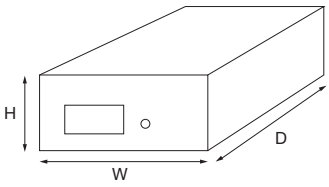
Installation

1. Ensure that the power supply is switched off during installation.
2. Take care when inserting the RS232 connector to avoid damage.
3. Connect the LonWorks network cables.
4. Repower the system.
5. The EC0232 range of devices simply translate the LonWorks protocol and will require no setup or configuration.

Typical system architecture

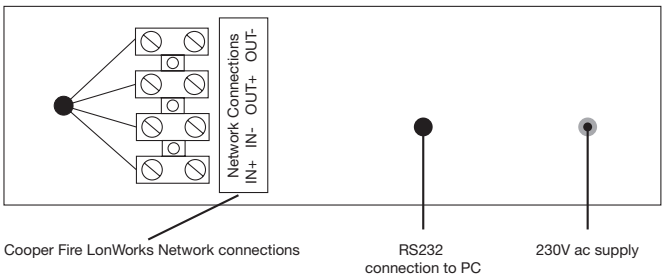


Dimensions



H (mm)	W (mm)	D (mm)
36	116	135

Mechanical layout and standard connection



RS232	Connection to PC or HMX PA/VA
Network	Connections to Eaton's LonWorks Network
Power	230V ac mains supply

Catalogue numbers

Description	Code
Lon to RS232 adapter	EC0232
Lon to RS232 adapter (For HMX pa/va system - no handshake)	EC0232PAVA
Lon to RS232 adapter (For HMX pa/va system - 3 min time delay)	EC0232PAVA3D