Network Module (SCM-NM)

Description

The Smart Connect Multiloop system network has the facility to monitor, indicate and control the functions of a fire alarm installation, thus allowing signals to be distributed around a large site.

The network will accommodate upto 64 nodes. The network uses RS485 data communication and a total network cable length of up to 10km is possible.

On a Smart Connect Multiloop running in a network, all events are reported at all panels are able to remotely program other panels sitting on the network. Operaton of outputs over the netowwrk is determind by the programmed cause & effetcs. Any input on the network can be programmed to operate any output.

Features

- Designed to EN54 requirements
- Peer-to-peer networking
- Comprehensive cross network cause & effetcs
- Up to 64 panels may be networked together
- Remote programming over the network
- The network can be configured with either a ring or bus topology
- Fault tolerant design
- Extensive front unit status indications (See table below)
- Quick and easy to install by plugging the RJ45 cable into the module and control panel (Cable supplied with unit)

Front Unit Indications

LED Indication	Description
Trouble (Yellow)	Flashing yellow when a fault on the RS485 circuit is detected
RS485 TX (Green)	Flashing green when the RS485 is transmitting information
RS485 RX (Green)	Flashing green when the RS485 is receiving information
Com. (Green)	Pulses green to show communication between the module and the motherboard

Technical Specification

Specification	SCM-NM
Part No.	37-396
Design Standard	EN54
Approval	LPCB (Pending)
Communication Protocol	RS485
Maximum Distance Between Nodes	1KM (using a screended data cable) 100M (using a standard fireproof cable)
Network Wiring Typologies	Bus Ring (recommended)
Operating Temperature	0°C (32°F) to 49°C (120°F)
Max Humidity	93% Non-Condensing
Size (mm) (HxWxD)	105mm x 57mm x 47mm
Weight	0.15KG
Recommended Cable Sizes	Belden Screened Data Cable

SCM-NW
NetWork Module

The SCM-NW module ensures the Smart Connect system network has the facility to monitor, indicate and control the functions of a fire alarm installation, thus allowing signals to be distributed around a large site.

The Network will accommodate up to 64 nodes

Repeater Panel