Loop Card Module (SCM-LCM)

Description

The plug-in SCM-LCM module provides power for and handles communications to the analogue addressable devices. The SLC continuously monitors the status of all loop devices and displays their status. Up to 250 addresses (450mA max load) can be connected to a single loop. The loop devices can be addressed via an 8 way DIP switch, or they can be soft addressed using the MKII-TOOL handheld programming tool which helps minimise the potential for error and could reduce the installation time associated with traditional hard addressing.

The AUTO-LEARN saves considerable time and effort when installing a new loop or when changing device configuration.

It allows the system to learn what devices have been installed on the loop, and can help locate wiring faults on the loop.

Features

- Designed to EN54 requirements
- Supports up to 250 addresses
- "Heartbeat LED" that shows communication between the module and the motherboard
- Extensive front unit status indications
- Time saving AUTO-LEARN facility
- Quick and easy to install
- 450mA max load (at 20 ohms loop resistance)
- Double address detection

Dimensions
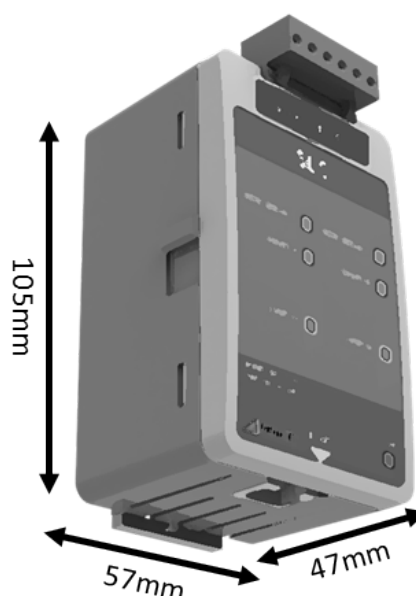
Technical Specification

Specification	SCM-LCM
Part No.	37-391
Design Standard	EN54
Approval	LPCB (Pending)
Rated Voltage	30VDC Nominal
Maximum Loop Current	450mA *
Maximum Loop Resistance	50Ω (25Ω per core) *
Maximum SLC Capacity	250 Addresses
maxkumum SLC Cable Length	2KM *
Maximum SLC Capacitance	500nF
Maxkmum SLC Baud Rate	1024 bits per second (typical)
Operating Temperature	-5°C to 40°C
Max Humidity	93% Non-Condensing
Size (mm) (HxWxD)	105mm x 57mm x 47mm
Weight	0.15KG
Recommended Cable Sizes	0.8mm2 to 2.5mm2

* Note that max load and max cable resistance can not be achieved at the same time. Use the loop calculator to determine the limits

Interior Panel View

Compatible Devices/Accessories

Model	Description
MKII-AOP	Addressable smoke detector
MKII-AOH	Addressable opto-heat detector
MKII-AHR	Addressable rate of rise heat detector
MKII-AHF	Addressable fixed heat detector (57oC)
MKII-AHF/CS90	Addressable fixed heat detector (90oC)
ZT-CP3/AD	Addressable call point
ZAI-MI	Addressable input unit
ZAIO-MI	Addressable input / Output unit
ZAZM-MI	Addressable zone Monitor
ZASC-MI	Addressable sounder circuit controller
MKII-SSB	Sandwich Sounder base
MKII-AXT/x	Addressable Xtratone Sounder
MKII-AXTB/x	Addressable Xtratone Sounder Beacon
ZRAP/x	Addressable Raptor Sounder
ZRAPB/x	Addressable Raptor Sounder Beacon
SMM/B	Mini Module (for Beam detector)
SMM/C	Mini Module (call point Monitor)
	Wireless transponder
	Wireless detector base
	Wireless call point
	Wireless I/O
	Wireless Sounder

Typical Wiring Diagram