

## Loop Powered Interfaces

Vigilon's range of loop powered interfaces offer a comprehensive range of connectivity options with critical plant and other safety systems.



### Description

Vigilon can accommodate a high quantity of loop powered interface units offering flexible range of inputs and outputs from the FD&A system from plant control and signalling other systems in a fire, to linking with other emergency management systems such as sprinklers or security systems.

Loop powered interfaces offer a cost effective solution with each device individually addressed increasing the overall management capability of the FD&A system.

Interfaces are either powered from the loop or require a separate mains supply. The mains power version has its own battery backup.

### Key Features

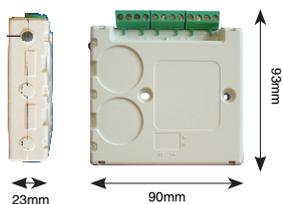
- Loop Powered devices reducing cost of installation and maintenance
- Individual addresses to maximise information and flexible cause and effect
- Each device with EN54-17 short circuit handling for enhanced system integrity
- Comprehensive range of functionality in each device variant to simplify system design
- Complete range of mounting enclosures and accessories
- Options to connect conventional fire detectors such as flame and beam detectors
- Certified to EN54-17 and EN54-18

## SPECIFICATION

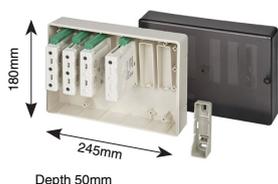
Type	Low Voltage Input/Output Range			Output Interface (Mains)	Key Operated Interface
	Single Input S4-34410	Four Channel Input/Output (I/O) S4-34450	Single Input/Output S4-34420	S4-34415 / S4-34411 Single Channel Interface	S4-34418 Supervisory Inputs only
Approx Weight (excluding enclosure)	92g	100g	100g	DIN mountable: 138g PCB with cover in metal box: 800g	110g
Operating Temperature	-10°C to +60°C				-25°C to +70°C
Relative Humidity	Up to 95% – Temperature +5°C to +45°C (Non condensing)				
Ingress Protection	P31 for plastic box S4-34490 IP40 estimated for metal box S4-34492			Metal box - IP40 estimated	IP43
Device Load factor	Load Factor 1-4 switch inputs = 1 (maximum 200 per loop) 1-4 relay outputs = 2 (maximum 200 per loop only 8 individually sectored) Zone Input = 26 (maximum 30 per loop) Every LED output = + 5 (maximum 100 LED outputs per loop)			5 (maximum 200 devices per loop)	1 1
Panel Compatibility	Compatible with Loop = V3.93 / V4.35 and Main Control Card = V3.94 / V4.37				
Approvals	Approval EN54-17: 2005 and EN54-18: 2005			LPCB	EN54-17 pending

## Dimensions (mm)

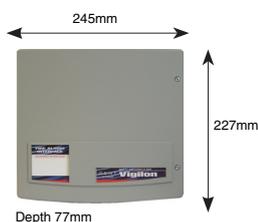
### Interface without enclosure



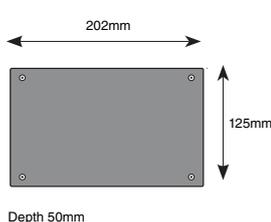
### S4-34496



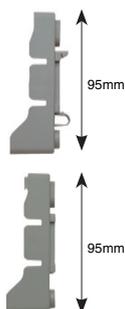
### S4-34490



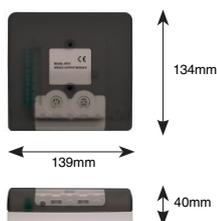
### S4-34492



### S4-34491



### M200E-SMB



## DESCRIPTION ORDER CODES

### Loop Powered Low Voltage Interfaces

Single Channel Interface, LV Input only (no enclosure)	S4-34410
LV Interface 1 Output & 1 Input (no enclosure)	S4-34420
4 Channel Interface (input/output) (no enclosure)	S4-34450

### Loop Powered Mains Switching Interfaces

Single Channel (output only) Interface c/w Relay and Enclosure	S4-34415
Single Channel (output only) Interface c/w Relay - DIN Mounting	S4-34411
Single channel Mains switching interface (c/w enclosure)*	S4-34401
Four channel Mains switching interface (c/w enclosure)*	S4-34404

### Key switch Interface (Single Channel)

Key switch Interface (Single Channel) c/w blue Enclosure	S4-34418
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### Supervisory input

12 input Interface module (supervisory inputs only)	S4-34412
Connection convertor for S4-34412 and S4-34600 (26 core ribbon to Terminal block)	S4-34494

### Interface Housings and Mounting Accessories

Interface Enclosure Large (Plastic)	S4-34490
Interface Enclosure - Small (metal) with 20mm and 25mm knockout	S4-34492
Pack of 5 DIN Rail Brackets for LV Interface	S4-34491
Interface Enclosure plastic surface mount box (Small)	M200E-SMB
Interface enclose Plastic houses 6 interfaces	S4-34496

\* See individual datasheet