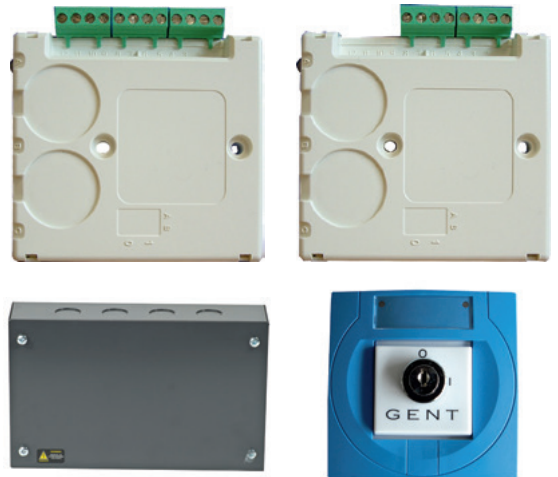


## Loop Powered Interfaces

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.



### Description

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

## KEY FEATURES

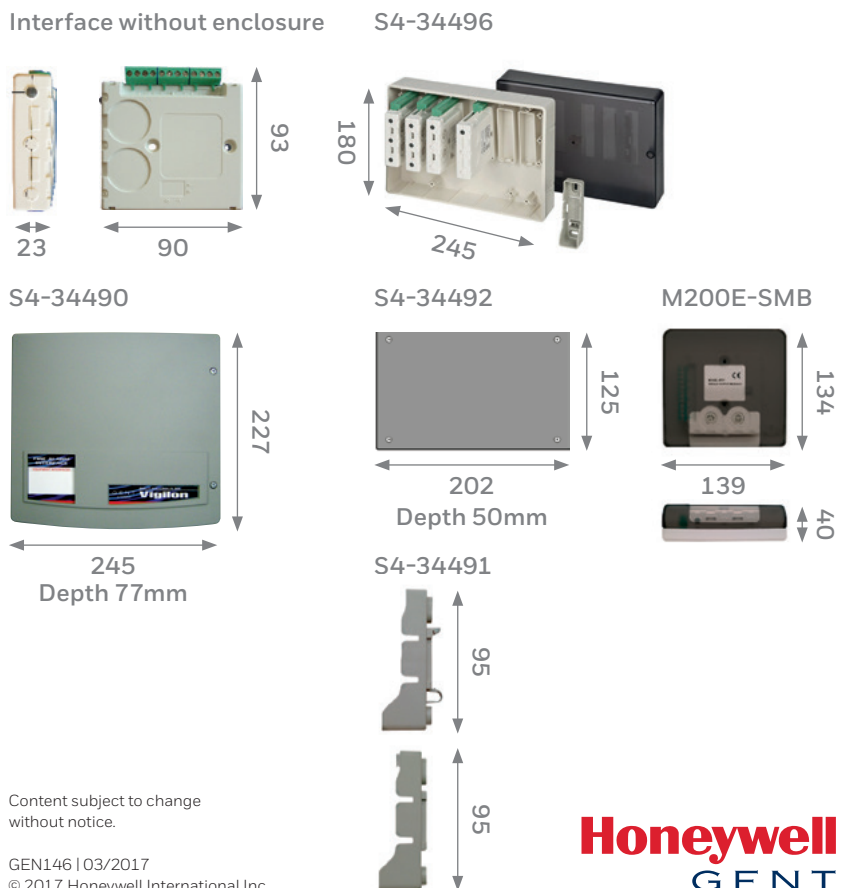
- Loop Powered devices reducing cost of installation and maintenance
- Individual addresses to maximise information and flexible cause and effect
- Each device with EN54-17 short circuit handling for enhanced system integrity
- Comprehensive range of functionality in each device variant to simplify system 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

# Loop Powered Interfaces Technical Specifications

| ORDER CODES  |                 |
|--|-----------------|
| <b>LOOP POWERED LOW VOLTAGE INTERFACES</b>   |                 |
| 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        |
| <b>LOOP POWERED MAINS SWITCHING INTERFACES</b>                                     |                 |
| <b>SINGLE CHANNEL OUTPUT ONLY INTERFACE C/W RELAY AND ENCLOSURE</b>                | <b>S4-34415</b> |
| 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        |
| <b>KEY SWITCH INTERFACE SINGLE CHANNEL</b>   |                 |
| KEY SWITCH INTERFACE SINGLE C/W BLUE ENCLOSURE                                     | S4-34418        |
| <b>SUPERVISORY INPUT</b>   |                 |
| 12 INPUT INTERFACE MODULE SUPERVISORY INPUTS ONLY                                  | S4-34412        |
| CONNECTION CONVERTOR FOR S4-34412 AND S4-34600<br>26 CORE RIBBON TO TERMINAL BLOCK | S4-34494        |
| <b>INTERFACE HOUSINGS AND MOUNTING ACCESSORIES</b>                                 |                 |
| 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 SMALL PLASTIC SURFACE MOUNT BOX                                | M200E-SMB       |
| INTERFACE ENCLOSE PLASTIC HOUSES 6 INTERFACES                                      | S4-34496        |

| 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     | Single Channel Interface S4-34415 / S4-34411             | Supervisory Inputs only S4-34418 |
| APPROX WEIGHT (EXCLUDING ENCLOSURE) | 92g   | 100g                                     | 100g                             | DIN mountable:<br>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                  | IP31 for plastic box S4-34490<br>IP40 estimated for metal box S4-34492  |  | IP40 for metal box (estimated)   | IP43   |                                  |
| DEVICE LOAD FACTOR                  | Load Factor 1-4 switch inputs = 1 (maximum 200 per loop)<br>1-4 relay outputs = 2 (maximum 200 per loop only 8 individually sectored)<br>Zone Input = 26 (maximum 30 per loop)<br>Every LED output = + 5 (maximum 100 LED outputs per loop) |  | 5 (maximum 200 devices per loop) | 11   |                                  |
| 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   |  |                                  |  |                                  |

## Dimensions (mm)



**For more information**  
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