

Vigilon Interfaces

The new range of Vigilon Interfaces from Gent meets all the interfacing requirements demanded by today's fire detection and alarm applications. Each interface is supplied with a compact protective casing as well as a complete range of mounting options and housings to give maximum installation flexibility.

A comprehensive range of loop powered interfaces covers a wide number of interfacing options with high and low voltage output and input units to monitor and control, plant and conventional zones. All units are compliant with EN54 parts 17 and 18. As with all Vigilon devices every Interface includes a short circuit isolator as standard.

Single Channel Input Interface

The single input Interface has a number of different configurations. Monitoring normally open or closed contacts the input can be set to initiate a fire, fault or supervisory event. The input can also manage a conventional zone of detectors and MCPs (up to 20 per zone). All remote cabling is monitored for short and open circuit.

Single Channel Output Interface

This unit has an output channel that can switch loads of up to 1A at 30V. A separate input can be configured to provide a confirmation input confirming a signal to critical equipment has been received. It can also be set to perform the same standard input function as the single input device (except for zone functionality). Alternatively it can be set to provide an output to drive LEDs rated at 1.5mA at 24V. This makes the unit ideal for controlling plant and indicating alarm status.

Four Channel Input / Output Unit

This flexible Four Channel device is housed in the same small enclosure as the Single Channel Interface. Channels can be configured independently as inputs or outputs each with the same performance as the single channel devices (conventional zones can only be connected to channel 1).

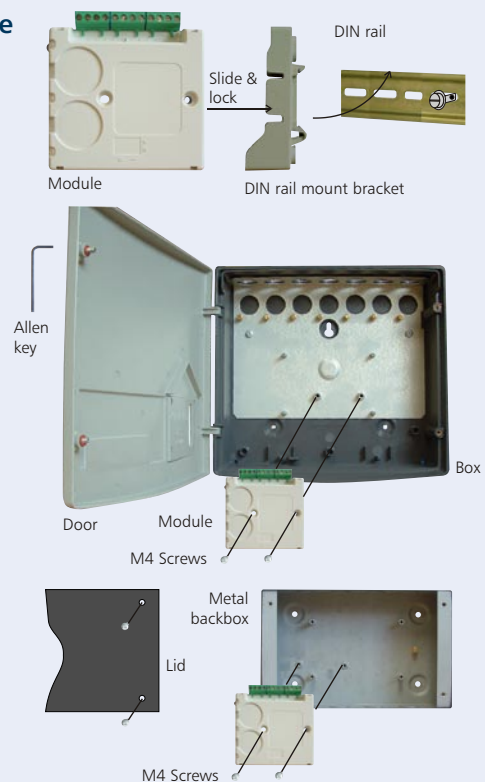
Mains Output Interface

The Mains switching interface is designed to switch heavy-duty circuits (13A at 230V ac). This makes it ideal for managing plant in an emergency.

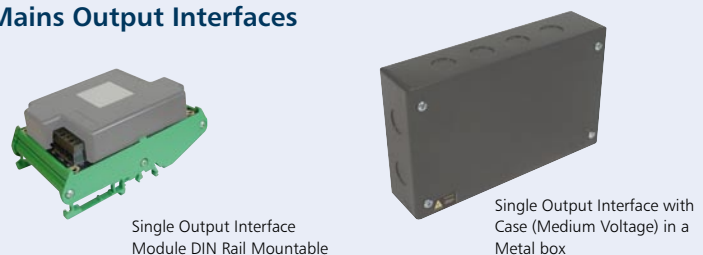


Flexible Mounting Options for Vigilon Interfaces

Low Voltage Range



Mains Output Interfaces



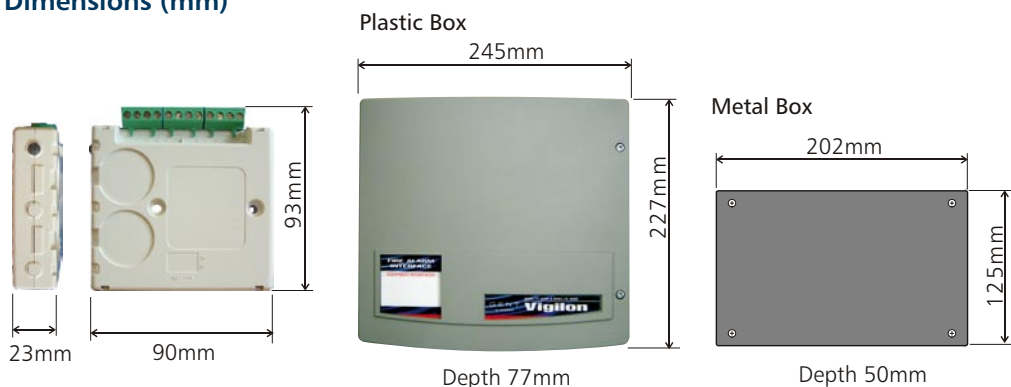
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Additional features

- Analogue addressable communications.
- Built-in type identification automatically identifies these devices to the control panel.
- Reliable communication technique with high noise immunity.
- Soft or SAFE addressing.
- Common mounting options surface mount, panel mount and DIN rail mount.
- Plug-in terminal connections for ease of field wiring.

TECHNICAL SPECIFICATION				
TYPE	Low Voltage Input/Output Range			Output Interface (Mains)
	Single Input S4-34410	Four Channel Input/Output (I/O) S4-34450	Single Input/Output S4-34420	S4-34415 / S4-34411
APPROVALS	Approval EN54-17: 2005 and EN54-18: 2005 (Approval pending)			
APPROX WEIGHT	92g ①	100g ①	100g ①	DIN mountable: 138g PCB with cover in metal box: 800g
OPERATING TEMPERATURE	-10°C to +60°C			
RELATIVE HUMIDITY	Up to 95% – Temperature 5°C to 45°C (Non condensing)			
INGRESS PROTECTION	IP31 for plastic box S4-34490, IP40 estimated for metal box S4-34492			Metal box – IP40 estimated
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)
PANEL COMPATIBILITY	Compatible with Loop = V3.93 / V4.35 and Main Control Card = V3.94 / V4.37			

Dimensions (mm)



Single Input S4-34410



Four Channel I/O S4-34450



Single Input/Output S4-34420



Plastic Box S4-34490



Metal Box S4-34492