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Section 6.1:

Vigilon Compact Analogue Addressable Fire Detection & Alarm System



6.1 : VIGILON COMPACT

10 reasons to specify Vigilon Compact

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1 Compact size The introduction of innovative design features into this panel means that the wall space needed to mount the panel is now 60% smaller than a standard Vigilon installation.

2 The power of Vigilon Supports the largest number of fire detection and alarm products on the same 2 cables with soft or SAFE (Soft Addressed Firmware Encoded) addressing options.

3 Minimise false alarms The combined power of S-Quad and the Vigilon Compact panel provides quick, intelligent decision making. The S-Quad dual angle optical sensor recognises a clear distinction between smoke and steam.

4 Rapid fire detection The 4 separate sensing elements in the S-Quad, including CO, can be set with individual sensitivity levels and sensor 'states' can be programmed for different time periods to suit all applications and environments.

5 Cost savings Cable runs are shorter. 2 core costs less than 4 core. Overall cable costs are normally 30% less than other systems.

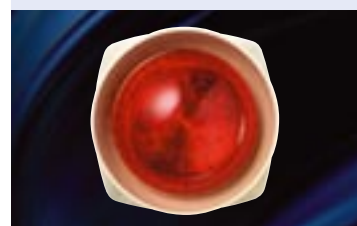
6 Customise your fire plans Evacuating public areas or production lines is disruptive and costly. Vigilon Compact's powerful software gives you flexibility. Areas throughout the building can be sectorised to give an evacuate or alert signal on alarm, or can be configured with pre-set delays.

7 Safe evacuation Voice messaging capability through the sounder functionality of S-Quad ensures quick and safe evacuation in the event of a fire.

8 Loop powered sounder/strobe Loop powered sounder/strobes save on cabling and interface costs whilst ensuring compliance with the Disability Discrimination Act 1995. Built-in high intensity flashing strobes warn those with hearing difficulties of a potential fire hazard – **now a legal requirement in all public buildings.**

9 Clear information An 8-line by 40 character display means the user is not limited in describing the position or nature of an emergency. A clear backlit LCD display reduces confusion and speeds response.

10 Compliance with the relevant industry standards GENT are LPCB approved for both systems and products and Vigilon Compact complies with BS/EN standards.



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Vigilon Compact System

Vigilon Compact analogue addressable 1-2 loop panels offer small to medium sized building owners the unique system functionality of Vigilon with the very best in control panel aesthetics – stainless steel door options are available to provide a discreet and luxurious feel in upmarket office environments.

The introduction of innovative design features into this panel means that the wall space needed to mount the panel is now 60% smaller than a standard Vigilon installation.

Vigilon Compact analogue addressable panels fully comply with EN54:Parts 2 & 4 and can be specified with 1 or 2 detection loops, each capable of accommodating up to 200 Vigilon devices including repeat panels, interfaces, manual call points and S-Quad sensor/sounder/strobes.

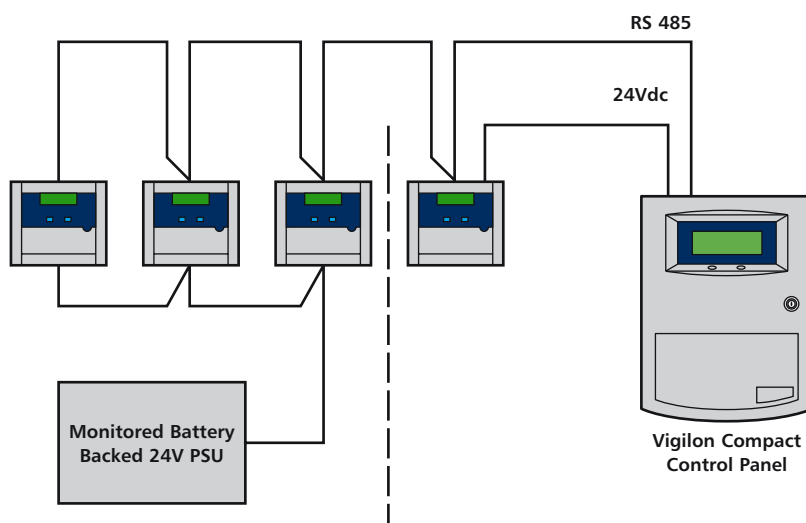
Gent's innovative new S-Quad is a combined multi-sensor range with speech, sounder and strobe in one intelligent unit.

Fully compatible with Gent's S-Cubed alarm devices (offering sound, speech or strobe effects in combination), Vigilon Compact also offers the familiar advantages of combined sensor-sounders and loop powered beam detection with integral short circuit isolators fitted into every loop device.

Additional features

- Vigilon's powerful software allows the fire alarm system to be configured to meet the fire alarm needs of the building.
- Combining the proven reliability of the Vigilon range of sensors and true analogue sensing keeps false alarms to a minimum.
- Alarm sound levels can be increased by simply replacing a sensor with a sensor/sounder, saving costly additional wiring.
- To meet the requirements of BS 5839-1: 2002 the Vigilon Compact is supplied with separate zonal indication, visible at access level 1. This comprises 32 fire LEDs (secret till lit) which enables 'at a glance' overview indication, without the need for manual intervention by fire fighters.

Wiring Details – LCD Repeat Panel (indication only) Max Cable Length 1000M



One LCD repeat panel can be powered from the control panel, additional repeat indicators must be powered from an additional power supply.

The communication link to the panel is monitored, so if power to the repeat indicators fails the fault will be reported at the control panel.

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Control Panel

A one to two loop panel accommodating up to 200 devices per loop.

LCD display allows clear indication of fire or fault location.

Site specific fire plans can be programmed to meet the evacuation needs of the building.

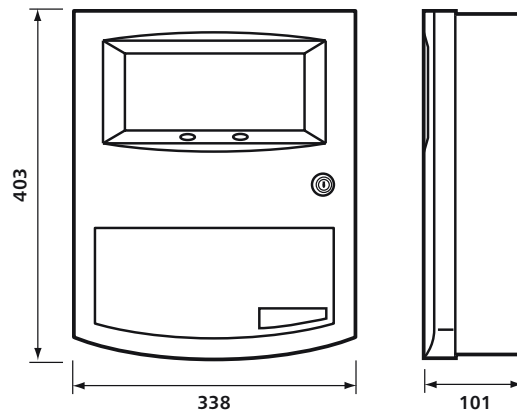


Vigilon Compact Control Panel

TECHNICAL SPECIFICATION

Type	Control panel
Loop Capacity	200
Ingress Protection	IP31
Approx Weight	16.6 Kg (with batteries)
Operating Temperature	0°C to +45°C
Relevant Standards	EN54 Pt 2 & 4
Batteries	2 x 12V @ 12 Ah
Battery Standby	24 Hours + 30 minutes alarm
Supply Voltage	216V – 253V 50Hz
Power Consumption	140 W
Cable Entry	Top and rear knockins
Auxiliary Contacts	Programmable to activate on Fire, Fault or Disablement (1 x SPCO, 1 x DPCO)
Sounder Circuits	2 circuits @ 250mA each
Monitored input	1 input which is programmable to perform a logical action via a command build
Communication ports	2 x RS485, 1 x RS232 selectable functions
Approvals	LPCB Applied for

Dimensions (mm)



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Control Panel	COMPACT-24
LCD Repeat panel	COMPACT-RPT
Flush fixing frame	COMPACT-FLUSH
Additional Loop card	COMPACT-LPC
Optical only sensor	COMPACT-O
Stainless Steel Options:	
Stainless steel door	VIG-RPT-DOOR-SS
Stainless steel flush frame	COMPACT-FLUSH-SS

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LCD Repeat Panel

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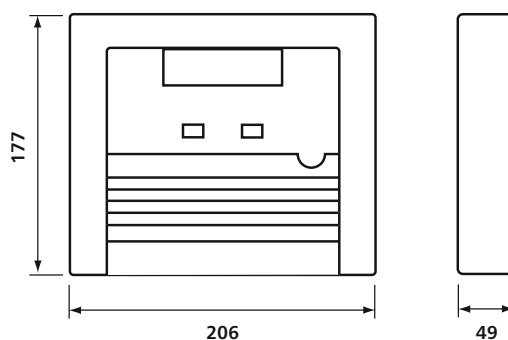
Vigilon Compact Repeat Panel

The LCD repeat panel indicates Fire, Fault and Disablement information on a 40 character display, either directly as events occur or by accessing the logs via dedicated keys.

A maximum of 4 Repeat Panels can be connected to a Vigilon Compact control panel.

TECHNICAL SPECIFICATION	
Type	LCD Repeat Panel (Indication Only)
Ingress Protection	IP30
Supply Voltage	21 – 30V dc
Power Consumption	Approx 30 mA
Approx Weight	0.75 Kg
Operating Temperature	0°C to +45°C
Communication ports	1x RS485 to communicate with the main control panel
Cable Entry	Top and rear knockins
Approvals	N/A

Dimensions (mm)



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LCD Repeat panel

COMPACT-RPT