

VENTGUARD PLUS

INTEGRAL FAN CURRENT MONITOR



| OVERVIEW |

The VentGuard Plus is a cost effective BS6173:2009 and IGEM/UP/19 compliant ventilation interlock, with built in fan current monitors for the intake and extract fans however can still be used with Air DP Switches.

With dedicated interfaces and LEDs for the intake and extract fans, the VentGuard will provide an indication of any ventilation issues however will not shut down the gas supply until the ventilation has not been operating for a full 30 seconds to avoid any nuisance tripping.

| KEY FEATURES |

- Clear LED indication
- Integral 2 Channel Fan Current Monitor
- Interfaces for:
 - Intake Fan DP, Extract Fan DP, CO2 Sensors, Remote Emergency Stop Buttons
- Mains rated status relay for external monitoring
- Built in time delays to avoid nuisance tripping
- **5 Year Warranty**
- **UK MANUFACTURED**

Dimensions

Height	180mm
Width	130mm
Depth	60mm / 65mm including Stop & Key Switch

Technical Specification

Power Supply	100 - 240 VAC 50/60Hz
Power Consumption	50W Max
Fan Current Rating	0.2 - 15A @ 230V
Power Output	Gas Solenoid Switched Mains
IP Rating	IP65
Approval	CE, UKCA

External Device Interfaces

Valve Status	SPDT - 5A @ 240V Max
CO2 Sensor	24V Signal to monitor external VFC
Intake Fan	24V Signal to monitor external VFC
Extract Fan	24V Signal to monitor external VFC
Remote Stop	24V Signal to monitor external VFC

Basic Operation

The VentGuard has a simple key switch operated ON/OFF function and a panel mounted flush emergency stop button to avoid accidental operation.

The panel has interfaces for air DP switches as well as having integral fan current monitors for both the intake and extract. Each channel can be easily setup using the range select jumper (for greater accuracy) and a potentiometer for fine tuning.

If the intake or extract fan are not in operation the panel will still allow gas through until they have been open circuit for a full 30 seconds. As some systems use the valve status to enable the fans this will allow the fans to get up to speed and provide a healthy signal to the VentGuard without any issues.

Part Numbers & Options/Accessories

Part No	Description
VGP-PO	VentGuard Plus Panel
VGP-DP1	VentGuard Plus c/w 1no Air DP Switch
VGP-DP2	VentGuard Plus c/w 2no Air DP Switch