SERVICEGUARD
SERVICES ISOLATION SYSTEM

Dimensions

Height	180mm
Width	180mm / 190mm including Hinge
Depth	60mm / 65mm including Stop & Key Switch

Technical Specification

Power Supply	100 - 250VAC 50/60Hz	
Power Consumption	40W Max	
Power Output	Gas Solenoid	Switched Mains
	Water Solenoid	Switched Mains
	Electrical Contactor	Switched Mains
IP Rating	IP65 (Providing rear entry sealed)	
Approval	CE, UKCA	

External Device Interfaces

Valve Status	SPST - 5A @ 250V Max
Pressure Trans	Monitors Proving Transmitter
24V Out	Auxiliary Supply (300mA Max) for TR, BAC FGD/FGS & FCMON
Gas Sensor	BACnet Interface for Gas Sensors
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
Fire Alarm	24V Signal to monitor external VFC

Installer Selectable Options

- Gas Pipework Fill Time (5 or 10 Seconds)
- Availability Timer (Off, 4, 8 or 16 Hours)
- Availability Time for Gas Only or Gas, Water & Elec

Basic Operation

Turning the key switch to ON will enable the system and each service can be switched ON or OFF, although after 30 seconds the Gas, Water or Electric buttons will need to be held for 3 seconds to enable or disable.

Upon receiving a fault signal from any external devices, the ServiceGuard will ensure that the gas is isolated to prevent any potential issues and the LCD will advise exactly what the issue is and how to rectify it.

Turning the key switch to the OFF position or pressing the panel stop button will isolate all services.

The internal Open and Display buttons are also available to aid with commissioning and fault finding, providing the details of ALL interfaces at the press of a button.

Part Numbers & Options/Accessories

Part No	Description
SG-PT00	ServiceGuard System - Gas, Water & Elec
SGE-PT00	ServiceGuard System - Gas & Elec
SGW-PT00	ServiceGuard System - Gas & Water

| OVERVIEW |

The ServiceGuard is a combined gas proving and services isolation system and is designed to meet the requirements of IGEM/UP/11 for gas safety and provide complete control for the water and electric supplies. With a single key switch to enable, each service can be turned On or Off individually depending on the requirements.

With a backlit LCD, the ServiceGuard will provide a clear indication of any issues with external devices such as ventilation systems, and will provide details of gas pressures and Gas Sensor levels.

The ServiceGuard is designed to isolate all services when the room is vacant to protect the area from misuse or vandalism.

| KEY FEATURES |

- Clear LCD indication & instructions
- No commissioning required
- Annual Service Reminder
- 24VDC auxiliary power output
- Interfaces for:
  - Gas Sensors
  - CO2 Sensors
  - Ventilation Systems
  - Remote Emergency Stop Buttons
  - Fire Alarm System
- Built in time delays to avoid nuisance tripping
- Three options available:
  - Gas & Water Isolation
  - Gas & Electric Isolation