

ISIMET

Fuel Gas Sensors



Series 1000-2000 Wall Mount



Series 1000-2000 Turret Mount



Series 3000

ENCLOSED INDUSTRIAL CONTROL PANEL NO. E-258342
Meets all Standards for Canadian Industrial Control Panels

APPLICATION:

The Series 1000-2000 Sensors are intended for use with an ISIMET Controller System where fuel gas is controlled. The sensor derives power directly from the controller and transmits a dry-contact or 24VAC signal back to the controller when raw fuel gas is detected, thereby shutting down the gas flow.

The Series 3000 Fuel Gas Sensor is designed to operate as an independent detection device for use where only a notification signal to a monitoring system is desired. This unit is self-powered and features both 24VAC and Dry Contact monitoring points.

FEATURES:

- A flashing beacon located on the wall plate will notify the user that raw gas has been detected. Once the delay time expires, a signal is transmitted to the Controller. Applying the signal to the Controller will turn OFF the gas circuit, as well as any other circuit that has selected programming to monitor for raw fuel gas detection. The beacon will then remain ON continually until the sensor has been reset. The sensitivity of the sensor is preset at the factory to 500ppm but may be adjusted up to 100,000ppm.
- Time delay feature optional pre-set @ 0, 10, 20 or 30 seconds to allow for a momentary delay in notification when raw gas is detected, enabling the user to turn OFF a fuel gas outlet before a notification signal has been sent.
- Reset of the unit will only occur once no raw gas is detected. Reset is accomplished by Re-keying the Utility Controller to which it is connected (Series 1000 Only), or by the panel mounted reset switch. Reset by Re-keying the controller will also turn back ON all utilities disabled by the sensor that have their service switch in the ON position.
- Typical detection range for the sensor is 1 – 25% LEL (Lower Explosion Limit) or 50 – 10,000 ppm.

Series 1000-2000 Wall Mount Specifications:

Mounting Style 1 Wall Panel – Stainless Steel 16 gauge (5.75” X 5.75”)

Mounting Style 3 Wall Panel – Stainless Steel 16 gauge (5” X 5”)

*Hex Key screws secure panel to enclosure

Mounting Style 1 Wall Box Enclosure – 16 gauge powder coated sheet metal (5 X 5 X 3)

Mounting Style 3 Wall Box Enclosure – Optional 16 gauge Stainless Steel (5 X 5 X 3)

Series 1000-2000 Countertop Turret Mount Specifications:

Control Box Enclosure – Stainless Steel 16 gauge (4” X4” X 5”)

Stainless Base incorporates 0.5” X 3.375” supply nipple with optional screw mounting holes

*Enclosure mounts to Stainless Steel base with counter sunk hex key screw

Series 3000 Specifications:

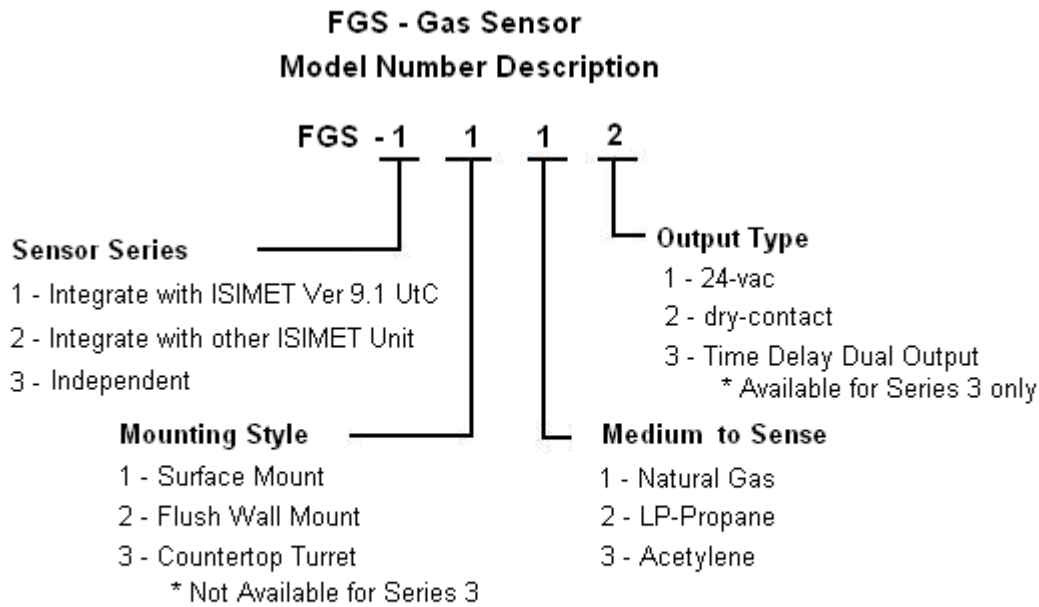
Control Panel – Stainless Steel 16 gauge (9.875” X 16”)

*Captive screws secure panel to enclosure

Wall Box Enclosure – 16 gauge powder coated sheet metal (6” X 12.25” X 4”)

Optional Stainless Steel Skirt available for Mounting Style 3

Not available for mounting style 1



NOTE: Series 1 may be provided with Panel Mounted Manual Reset Buttons to Reset Warning Lamp that Indicates that Unit has been Active.

