GV30-Pressure Switch

DESCRIPTION

The GV30-Switch closes an electrical contact when the gas reaches a set pressure. It is not a safety feature. It is the OEM's responsibility to comply with applicable certifications.

TECHNICAL DATA

- **Approval:** .... CE & CSA Approval is pending for the GV30-Switch
- **Fuels:** .....
  CE: EN 437 gas family 1,2,3
  CSA: natural, manufactured, mixed gases, liquefied petroleum gases, LP gas-air mixtures
- **Maximum inlet pressure:** ..... 50 mbar (1/2 PSI)
- **Required pressure:** .....
  Maximum to close the contact: 5.0 mbar (2.0" w.c.)
  Minimum to open the contact: 0.5 mbar (0.2" w.c.)
- **Ambient Temperature range:** ..... 0 °C to 110 °C (32 °F to 230 °F)
- **Power Supply:** ..... 5 to 24 VDC
- **Maximum current:** ..... 500 mA
- **Electrical Connection:** ..... 4.8 mm male spade (3/16")
- **Gas connection:** .....
  Main gas: 3/8" BSP; 3/8" NPT
  Pilot gas: M10x 1 Thread for 6 and 4 mm compression fitting, 11/32" UNS double thread for 1/4" and 3/16" compression fitting

TYPICAL APPLICATIONS

Main gas LED
When used with the main gas outlet, the GV30-Switch can be used to turn ON an LED when the main burner is ON and to turn OFF the LED when the main burner is OFF.

Pilot gas LED
When used with the pilot gas outlet, the GV30-Switch can be used to turn ON an LED when the pilot burner is ON and to turn OFF the LED when the pilot burner is OFF.

Oil pump
A normally closed relay can be wired in parallel with an LED. (e.g. If pilot gas is flowing, the relay will interrupt the power supply to the pump.)

ACCESSORIES

- Accessories. e.g. LED, Relay, Wiring, Mains Adapter are not included.
- LED with integrated current limit require a corresponding Mains Adapter.

ADAPTERS

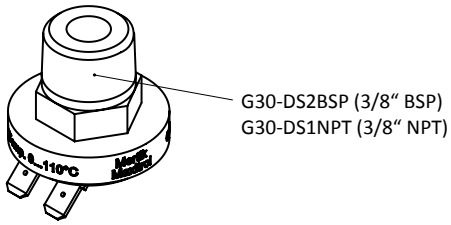

Fig. 1: Switch to valve – Main gas

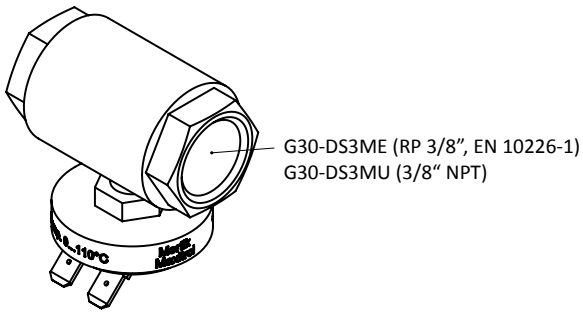

Fig. 2: Switch with adapter to pipe – Main Gas

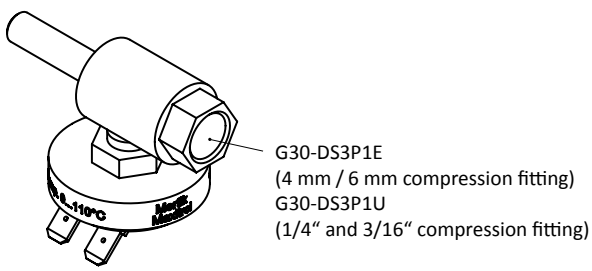

Fig. 3: Switch with adapter to valve – Pilot Gas

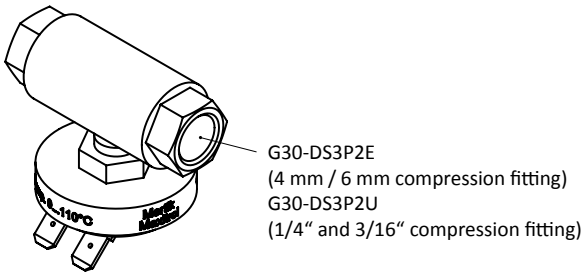

Fig. 4: Switch with adapter to pipe – Pilot Gas

TYPICAL INSTALLATION

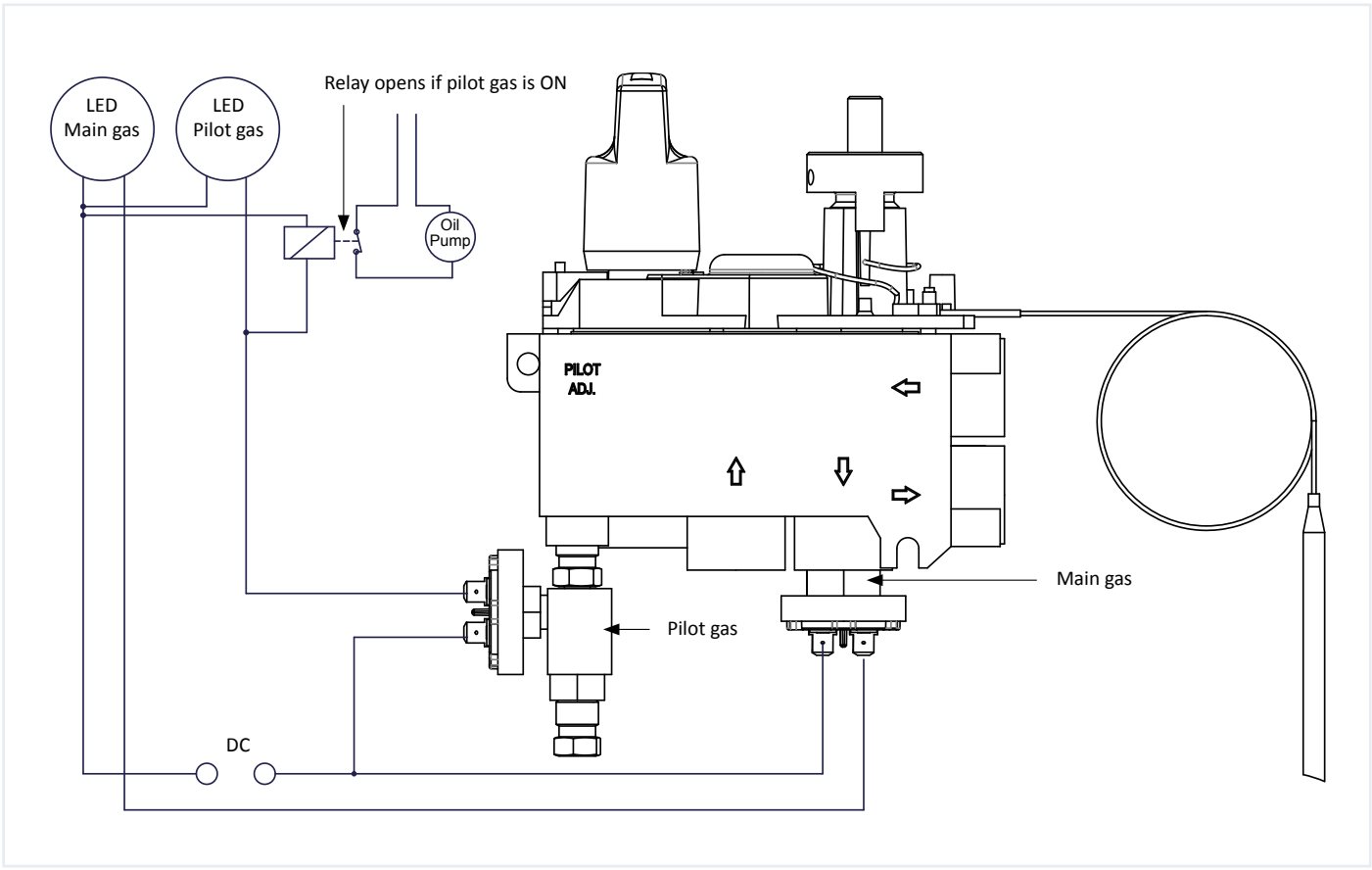

Fig. 5: Pilot gas and main gas installation

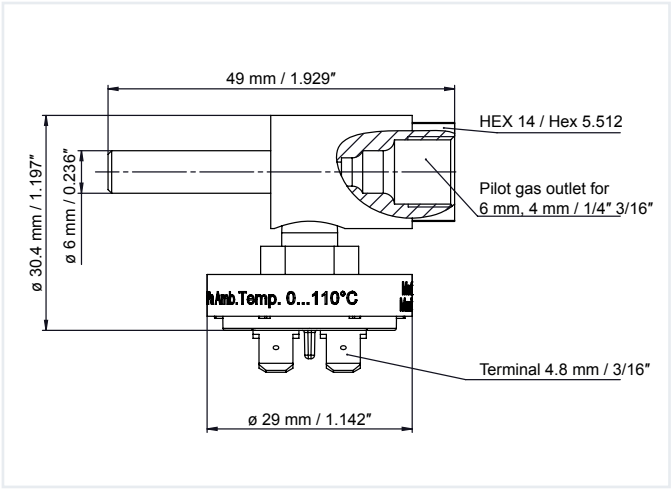

Fig. 6: GV30-Switch with adapter to valve pilot outlet (pilot gas).

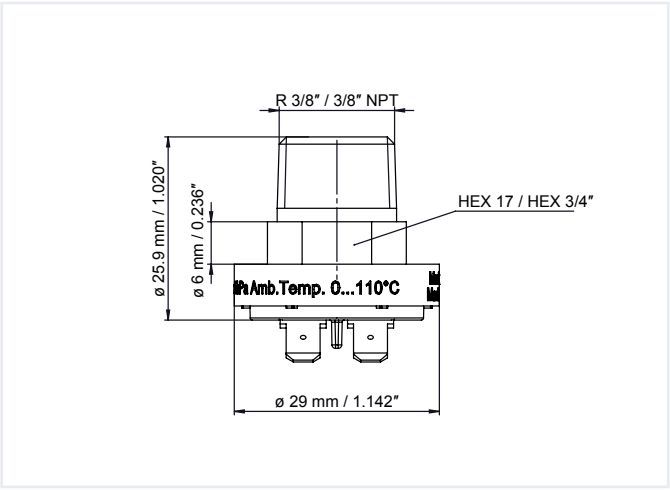

Fig. 7: GV30-Switch with thread to main valve outlet (main gas).