



## SOLENOID VALVE MANUAL RESET



**SCREW END**



**FLANGE END**

Manual resetting electro-valves are installed by a flow-pipe and connected to a carbon monoxide detector or a gas leak detector. When danger condition are signalled by a detector installed in the environment, manual resetting electro-valves shut off the gas. They are available with IP65 protection level and flameproof and they are in conformity with the CEI UNI EN 50194 and EN 500 18 regulations. Manual resetting electro-valves include the electro-valve type Normally Open and Normally Closed. Normally Open electro-valves close supplying a current impulse. Normally Closed electro-valves close when a loss of power occurs.

### General Characteristics

Power supply	: 230 VAC, 24VDC, 12VDC
Working temperature	: -15°C / +70 °C
Stopper	: Stainless steel, for brass flame proofs for IP65 and 6 bar
Protection level	: PN 16 UNI 2223

### Absorptions

12 Vdc	19 W	12 W*
12 Vdc	17 VA	9 W
24 Vdc	19 W	12 W*
24 Vdc	17 VA	9 W
230 Vac	17 VA	12 W*

\* Connector with rectifier inbodyrated

Connections	Normally Opened	Normally Closed	0.5 Bar	6 Bar	Flow Rate (m3/h)	Body
1/2"	Available in both Normally Opened & Normally Closed		Available in both 0.5 Bar & 6 Bar		4.5	brass
3/4"					6	brass
1"					13	brass
1 1/4"					40	brass
1 1/2"					50	brass
2"					80	brass
DN 65					170	alluminium
DN 80					170	alluminium
DN 100			280	alluminium		

### With Manual Reset, Normally Open and Normally Closed

GAS solenoid valves have been designed to be combined with any gas detection system which sets off a warning signal to shut off the main delivery when an emergency situation is detected. All solenoid valves are reset manually in compliance with Italian regulations governing CEI UNI -CIG 70028 gas detection system.

#### Operating Principle - Normally Open ( N.O )

There is no electrical absorption during normal operation and so no part of the system undergoes wear ; there is no annoying buzzing or vibrations, and energy is saved. However, when voltage is applied to the electromagnetic coil, the closure mechanism is released. To reset the solenoid valve, check that the coil is not receiving current and pull the reset knob.

#### Normally Closed ( N.C )

The intrinsic accuracy of these models guarantee that gas will be cut off should the power supply fail. Consequently, a permanent power supply is required to keep the valve open. As soon as power across the coil is cut off, the valve shuts automatically. To avoid accidental closure, the valves are fitted with a mechanism that ignores interruptions to current of short duration (<30msec). To reset the solenoid valve, check, that the coil is receiving current and pull the reset knob.