

SOLENOID VALVES DGM MV-05 /-10

Solenoid valve control and regulation



SPECIAL FEATURES

- > Operates 5/10 solenoid valves
- > On-Off by means of a key operated switch
- > Emergency shutdown function and collective actuation
- > Collective alarm for the control room
- > Increased plant security
- > Improved user-friendliness
- > Fast system overview
- > Simple installation and operation

ACCESSORIES

Signal box DGM-SK, mass flow controller, cylinder scales, rupture disks, floater, flow switch and cable monitoring.

DESCRIPTION

The solenoid valve control is equipped with five/ten output channels which make it possible to control and monitor solenoid valves. Furthermore there is an input channel for emergency shutdown and two zero potential signals for a higher signal such as DDC, PLC.

As soon as voltage is applied to the solenoid valve control the green operating LED lights up and signals that it is operational. The MV (solenoid valves) are activated using the key switch "On" or deactivated using the key switch "Off". If the emergency shutdown is activated, all solenoid valves are switched off and the red emergency shutdown LED flashes. In addition an acoustic signal is emitted which can be reset using the Reset button.

APPLICATION

The DGM MV-05 / -10 has been constructed to be fail-safe using state-of-the-art technology and takes into account the relevant regulations.

INSTALLATION

The housing of the solenoid valve control is designed for wall mounting. Four mounting holes are provided in the back of the housing for this purpose. These can be accessed by unscrewing the cover.

The solenoid valve control unit DGM MV-05 / -10 is used to control and monitor the function of solenoid valves in piping systems. If a malfunction is detected, this is indicated to the user visually and acoustically on the device.

TECHNICAL DATA	
Power supply:	220- 250 V AC, 50- 60 Hz
Fuse:	3.15 A slow-blow solenoid valve output;
Solenoid valve outlet	5 * relay output with 1 fine fuse protection each
Signal output:	2 * relay output (1 change-over contact)
Max. contact load AC:	220- 250 V AC, 50- 60 Hz
Max. contact load DC:	48 V , 1A
Signal lamp:	LED red, green 5 mm
Acoustic alarm:	Piezo buzzer, f = 3.3 kHz
Ambient temperature:	0 – 40 °C
Humidity:	0 – 95 % relative humidity, not condensing
Housing:	Polystyrene, colour similar to RAL 7035 (light grey)
Protection category:	IP 54
Dimensions:	240×160×90 mm (w×h×l)
Installation position:	upright, outside the Ex-area
Connection cross section:	2.5 mm ² max.
Cable glands:	13 each PG11

ORDER CODE

Type	Power supply
DGM-MV-05	230
DGM-MV-05	- 5 magnetic valves
DGM-MV-10	- 10 magnetic valves