

MS05.xx.00-SERIES CLOSED POSITION SWITCH for VE-SERIES

INSTRUCTION SHEET



APPLICATION

The MS05.xx.00 closed position switch can be used at Honeywell VE4000 A/B/C/S series solenoid valves to indicate the closed position of the main valve.

MODELS

Type Numbers:

MS052501

for VE4020/25A/B/C: sizes – 1" and VE4020S and VE4025S: sizes - ¾" and 1"

MS054001

for VE4032 and VE4040: sizes - 1¼" and 1½"

MS05501

for VE4050: size - 2"

MS056501 (VE4065/80A1 only) **and MS058001**

for VE4065 and VE4080: sizes - 2½" and 3"

MS051001

For VE4100: size 4" (A model only)

SPECIFICATIONS:

Electrical rating at 250V: max. current 3A

Electrical connection:

Plug connection according PG 9.

Enclosures:

IP65

Ambient temperatures:

-15 ° C .. 60 ° C

4. Tighten the switch at the valve body by using a 17 mm wrench.
5. Realign the switch housing to the valve body.
6. Perform a leakage test, to ensure the proper sealing of the switch at the valve body.

ADJUSTMENT

1. Ensure that the valve is in the closed position. For VE4000S series apply voltage to the coil
2. Ensure that the switch is in the open position, with the contacts at the terminals 1 and 3 in open position.
3. Turn the adjustment screw at the bottom of the switch unit clockwise until the switch closes, with the contacts at terminal 1 and 3 in closed position.
4. Turn the adjustment screw an additional 1/2 tum clockwise, to achieve some over travel at the switch.
5. Operate the solenoid valve several times to ensure proper functioning of the switch.

△ IMPORTANT NOTICE

When the closed position switch is adjusted incorrectly, it is possible that the switch unit blocks the valve stem or even opens it.

- **Ensure that after installation and adjustment of the switch, the valve operates correctly.**
- **Check for (internal) leakage.**

△ WARNING

- The installer must be a properly trained and experienced service engineer.
- Turn off gas supply before starting installation.
- Disconnect power supply to prevent electrical shock and/or equipment damage

INSTALLATION

1. Ensure that the right model number, corresponding with the valve body size, is applied to have proper functioning.
2. Remove the 1/4" plug at the bottom of the valve body.
3. Ensure that the O-ring is applied at the brass mounting nut, to have a proper sealing

WIRING

Follow the instructions, supplied by the appliance manufacturer.

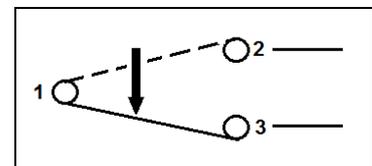


Fig 1. Electrical connection of the closed position switch