

PRESSURE SWITCH FOR HEATING SYSTEMS Type PMR5



User's manual

Application

Safety pressure switches for heating systems applications.

The devices automatically stop the heat generator when a pre-set water pressure limit is reached

Reset is exclusively manual by pressing the manual reset key after the pressure has returned by at least 0.4 bar within the shutoff value

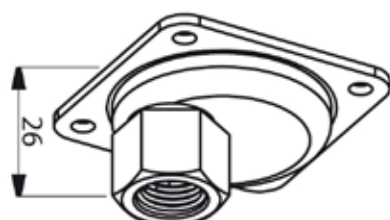
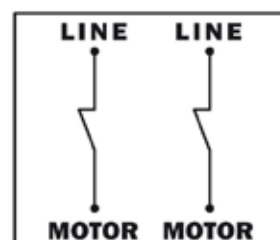
Construction

- External graduated scale on the instrument
- Double normally closed electric contact in brass alloy with Ag-Ni coating
- Terminals with M4 screws and 8x8 mm pressure dice
- NBR rubber membrane with textile insert
- 1/4" F hydraulic connection made of galvanised steel
- Standard protection degree IP 44
- Tear resistant cable clamps

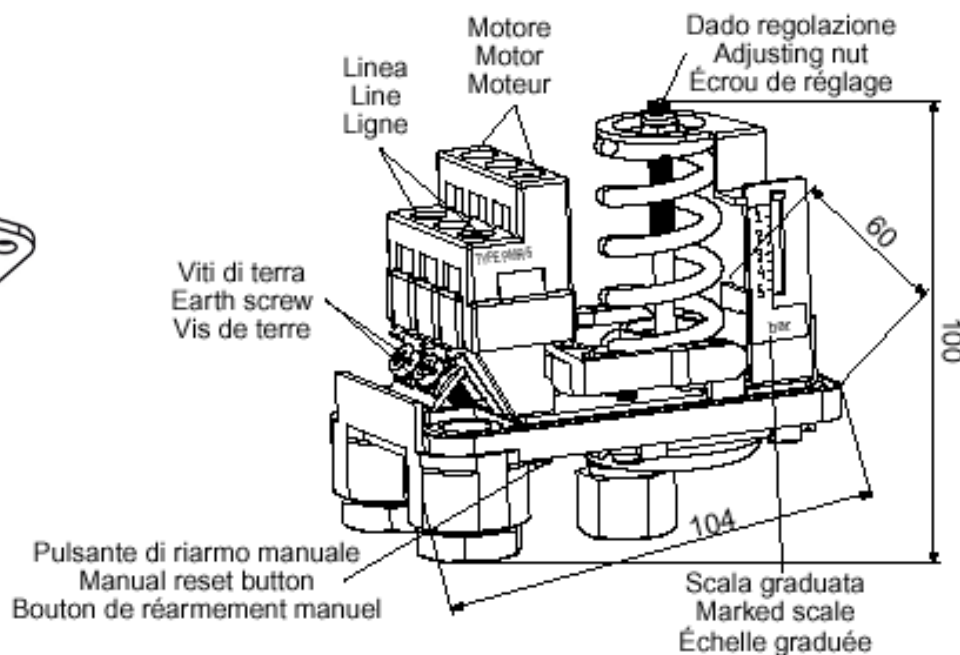
Technical data

Rated voltage	250 V
Rated current	16 A
Pressure range	1 - 5 bar
Factory setting	3 bar
Max ambient temperature	55°C
Maximum fluid temperature	115°C
Weight	400 gr

Contacts arrangement



1/4" F



Installation

The installation must be performed by qualified personnel.

The pressure switch must be mounted on a pipe or threaded connection 1/4" male. Use some putty or teflon tape or anaerobic sealant to ensure the sealing of the connection between 1/4" female and the 1/4" male.

The tightening of the pressure switch must be made with a wrench No. 19 (recommended tightening torque: 35 Nm).

Electrical connection

The pressure switch PMR5 has two normally closed electrical contacts, isolated from each other. When reaching the setting pressure value both contacts open.

Adjustment

To adjust the pressure value, act on the regulation nut ; the value can be read on the scale.

Before use, check that

- Current supply is under 16 (10)A
- There are no water leaks from the hydraulic connection (pressure-implantation)
- L'ouverture des contacts à lieu à la pression choisie.
- The opening of the contacts occurs at the set pressure.

Do not use with dirty water or in highly corrosive atmosphere.

Maintenance

Every year : visual control adapted to detect fluid leaks and / or corrosion.

Every three year : Check opening contacts.