

APPLICATION AND OPERATION

The pressure switch automatically controls operation of the motor-driven pump according to given set pressures. When the minimum set pressure is reached, the contacts are closed, therefore the motor is started. Reaching of the max. set pressure determines, instead, the opening of the contacts, hence the motor is stopped.



PA5

Pressure switch for pumps and autoclaves with adjustment range from 1 to 5 bar.

Part No. Size Power

0402202	1/4"	250V	single phase
0402105	1/4"	500V	three phase

ADJUSTMENT OF SET PRESSURE

Fully loosen differential adjusting nut (1). Turn range adjusting nut (2) until obtaining the required closing valve for the contacts. Tighten differential adjusting nut (1) until the required cut-off pressure is obtained.



PA12

Pressure switch for pumps and autoclaves with adjustment range from 2 to 12 bar.

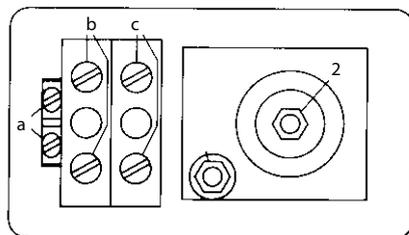
Part No. Size Power

0402206	1/4"	250V	single phase
0402205	1/4"	500V	three phase

ELECTRICAL CONNECTIONS

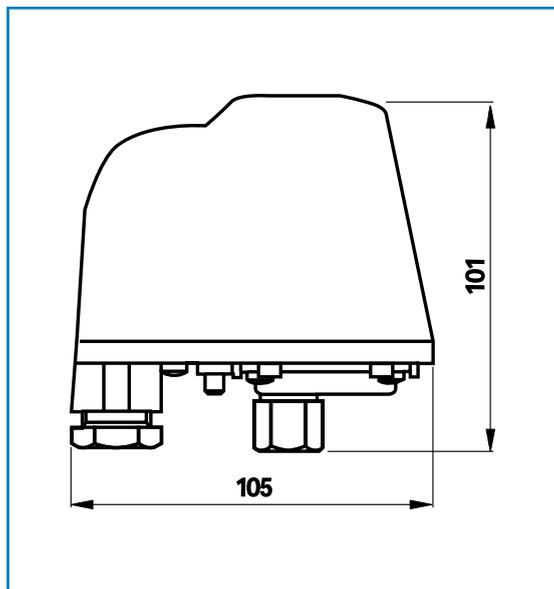
Contact (b) - (c) is normally closed (it opens when the set pressure is reached). Connection to earth is via terminal (a).

View of the terminal board from above after removing the cover:



- (a) earth terminals
- (b) line terminals
- (c) motor terminals

Overall dimensions (mm)



DESIGN FEATURES

Connection	1/4" F
Inner cable gland diameter	11.5 mm max. (for cables H07RN-F-3X1)
Lever mechanism	galvanized steel
Electrical contacts	brass faced with Ag-CdO
Diaphragm	NBR rubber with fabric core
Cover	high impact ABS

TECHNICAL CHARACTERISTICS

Model	PA5	PA12
Contact load rating	16(10)A a 250 V ~	16(10)A a 250 V ~
Pressure setting range	1 ÷ 5 bar	2 ÷ 12 bar
Minimum differential	0,5 bar	1,5 bar
Maximum differential	2,5 bar	4 bar
Factory setting (closing)	1,4 bar	5 bar
Factory setting (opening)	2,8 bar	7 bar
Max. fluid temperature	90°C	90°C
Degree of protection	IP 44	IP 44

APPROVALS

Product PA5, 250 V:

- conforms with European Standard EN 61058-1
- is approved by VDE, SETI, SEMKO, DEMKO, NEMKO, CSA.

Product PA12, 250 V:

- is NEMKO approved

CE mark in conformity with European Directives EEC 89/336, EEC 73/23.

