

Pressure Switch

For use with Excelon® 72 and 73/74 Series Quikclamp™

72 MODELS COVERED

Part Number	Auxiliary Port
4246-50	1/4" PTF
4246-51	1/4" ISO R _C
4246-52	1/4" ISO G
4246-01	Replacement Switch (Items 1 thru 7)

73/74 MODELS COVERED

Part Number	Auxiliary Port
4346-50	1/4" PTF
4346-51	1/4" ISO R _C
4346-52	1/4" ISO G
4346-01	Replacement Switch (Items 1 thru 7)

DESCRIPTION

The pressure switch monitors air pressure and provides an electrical output when the pressure drops below or exceeds an adjustable preset pressure.

TECHNICAL DATA

Maximum pressure: 17 bar (250 psig)

Operating temperature*:

4246 Series: -10° to +65°C (+14° to +150°F)

4346 Series: -10° to +80°C (+14° to +175°F)

* Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Maximum voltage: 240VAC/DC

Maximum current: 5 Amp

Adjustable range: 2 to 10 bar (30 to 150 psig).

Shipped from factory preset at 6.2 bar (90 psig).

Repeatability: 3% of range

Accuracy: 12% dead band at mid range.

Protection: NEMA 4, IP 65

Contacts: SPDT

Connector: DIN 43650-C

Connector plug: Cable grip for cables 6,3 to 7,1 mm (1/4" to 9/32") diameter

Body material: Aluminum

Elastomer material: Nitrile

ADJUSTMENT

1. Apply the desired switching air pressure to the pressure switch.
2. Turn adjusting screw (6) with a 3 mm (0.125") hex wrench until the the switch contacts close (or open, depending on the electrical wire connections) and an electrical output is produced. One complete revolution of the adjusting screw covers the complete adjustment range of 2 to 10 bar (30 to 150 psig).

WARNING

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under **Specifications**.

The user of these products is cautioned to conform to all applicable electrical, mechanical, and other codes in the installation and operation of these products.

Before using these products with fluids other than air, for nonindustrial applications, or for life-support systems consult Norgren.

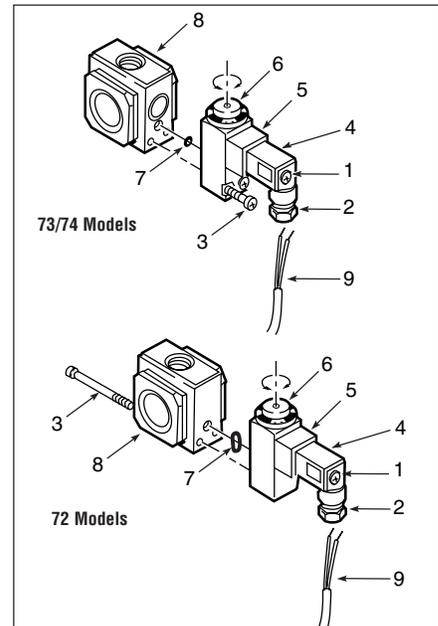


Figure 1. Installation

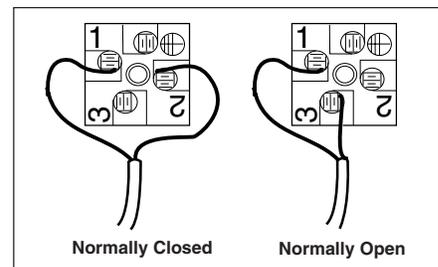


Figure 2. Electrical Connections on Terminal Block

INSTALLATION (FIGURE 1)

1. Attach the pressure switch (1 thru 7) to the subbase (8) with screws (3).
2. Install the assembled pressure switch and subbase in the air line using Excelon Series Quikclamps™ and pipe adapters.

ELECTRICAL CONNECTIONS (FIGURE 2)

1. Shut off electrical power.
2. Remove screw (1). Pull connector (4) from switch (5).
3. Remove terminal block located inside the connector (4).
4. Loosen gland nut (2). Run the customer supplied cable (9) thru gland nut and connector.
5. Connect the cable wires to contacts 1 and 2 or 1 and 3 as shown.
6. Reinstall terminal block in connector (4) and tighten gland nut (2).
7. Plug connector (4) onto switch (5) and install screw (1).