



# Model 4370

## Pneumatic to Electrical Switch Conversion Kit

(Converts Model 1672 to 4372)

### FEATURES

- CONVERTS MODEL 1672 TO AN ELECTRIC SWITCH
- EXPLOSION PROOF
- GULFPROOFED ALUMINUM CONSTRUCTION
- ENVIRONMENTALLY SEALED UL/CSA LISTED MICRO SWITCH
- 1/2 NPT CONDUIT CONNECTION OR LIQUID TIGHT HUB

### APPLICATION

Pressure sensing applications on engines and other industrial equipment.

- COMPRESSOR SUCTION OR DISCHARGE
- LUBRICATING OIL
- COOLING WATER
- COMBUSTION AIR
- CONTROL AIR
- FUEL OIL
- FUEL GAS
- STARTING AIR



Model 4370 is designed to convert the Model 1672 Pneumatic Pressure Sensing Valve to a Pressure Sensing Switch with normally open or normally closed electrical contacts. The unit can be mounted in any position.

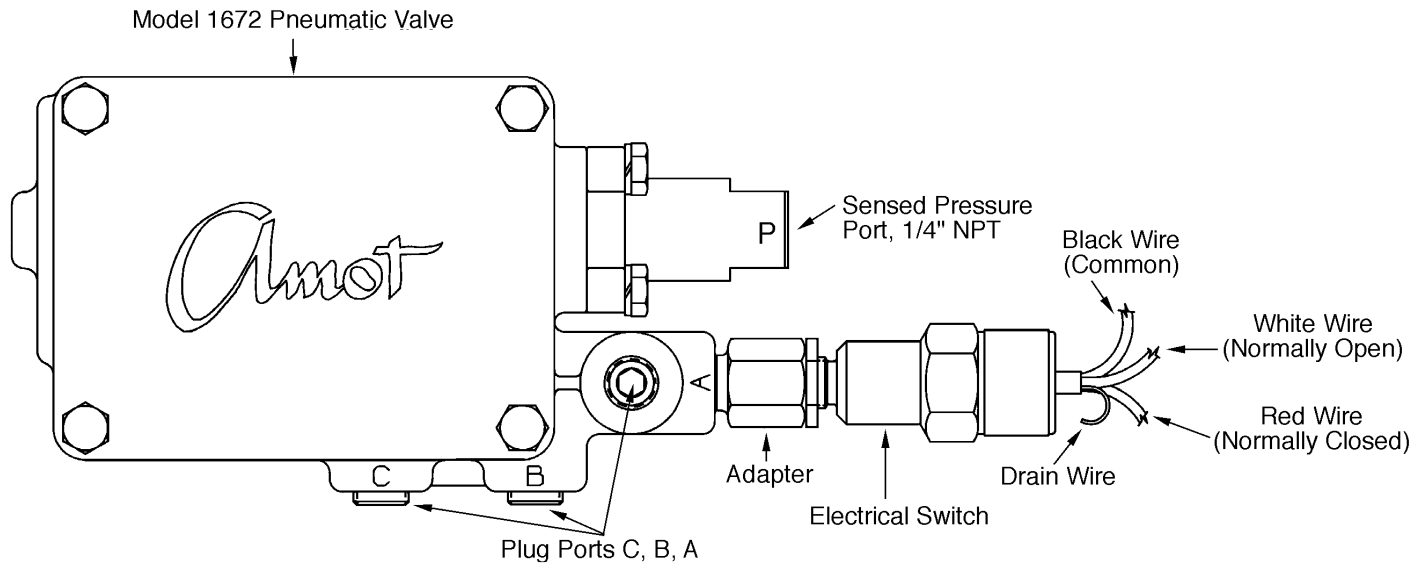
### SPECIFICATIONS

Electrical Switch Body .....	Black Anodized Aluminum
Switch Body Lock Nut .....	Plated Steel
Switch Adaptor Body .....	Black Anodized Aluminum
Maximum Ambient Temp. ....	300°F
Net Weight .....	0.2 lbs. (0.1 kg)
Wire Type .....	Shielded 4 Conductor, 20 Gauge, Teflon™ insulated with Teflon™ Jacket
Internal Micro Switch	
Contact Arrangement .....	SPDT
Design Temperature .....	-65° to 400°F
UL / CSA Listed	
Gold Contacts .....	1A @ 125Vac
Silver Contacts .....	7A @ 250Vac
Switch Approvals	
Explosion Proof: CSA, Class 1, Div. 1 Groups B, C & D (Listing Pending)	
Suitable for Div. 1 hazardous area installation with Intrinsically Safe Circuits (I.S.)	

### WIRE COLOR CODES

Black .....	Common
Red .....	Normally Closed (N.C.)
White .....	Normally Open (N.O.)
Drain Wire .....	Grounded to Switch Body
All wiring should be in accordance with the governing electrical code(s).	

The 4370 conversion kit consists of qty. (1) electrical switch with adapter body and qty. (3) 1/4" NPT pipe plugs. The Model 1672 pneumatic valve is easily converted into an electrical pressure switch by screwing the electrical switch with adapter into port "A" of the 1672 valve. Three (3) 1/4" pipe plugs are supplied to plug pneumatic ports "C", "B", and "A". Please note that there are two "A" ports on the 1672 valve. See Figure 2 for typical installation.



For complete information on installing the Model 4370 Switch Conversion Kit and adjustment of the pressure settings, see Form 1296.

## HOW TO ORDER

To order, construct the appropriate Model Number from the Model Code Table, or specify the following information:

1. AMOT Model 4370, type A or B.
2. Switch Contacts, see Table A.
3. Electrical connection and length, see Table B.
4. Wire type, see Table C.

## MODEL CODE

**4370A** Basic Model Code  
**A** Rev. Level  
**1** Table B  
**A** Table C  
**0 - ( )** Special Code Made to Order (MTO)

Model Type	
Code	
A	General Purpose
B	Explosion Proof

Table A Switch Contacts	
Code	Contact Material
1	Gold
2	Silver

Table C Wire Type	
Code	Wire Type
0	Shielded 4 Conductor 20 Gauge, Teflon™ Insulated, Teflon™ Jacket

Table B Electrical Connection & Wire Length	
Code	Connection, Wire Length
A	1/2" FNPT, 18 inch
B	1/2" FNPT, 15 ft.
C	1/2" FNPT, 25 ft.
D	Non Metallic Hub*, 18 inch
E	Non Metallic Hub*, 15 ft.
F	Non Metallic Hub*, 25 ft.

\* Liquid Tight Hub with Buna N Seal  
 For use with General Purpose Switch only

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