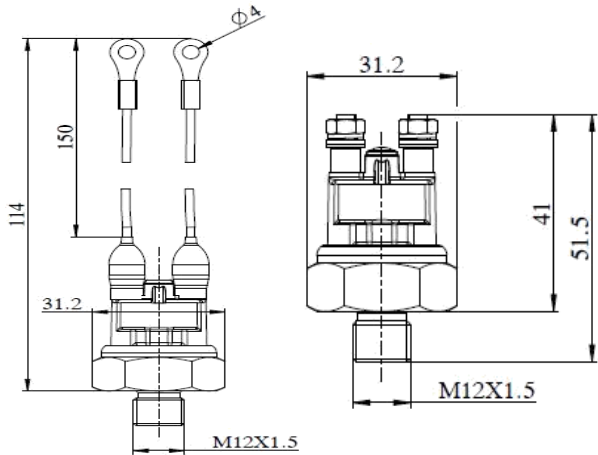


## Normally Closed Pressure Switch.



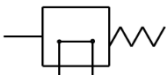
### Technical Data

It is normally closed pressure switch. Its typical function is to activate the associated system when sensing pressure reaches to the specified switching pressure range.

#### Design features and materials

|                         |  |
|-------------------------|--|
| <b>Steel Parts</b>      | Steel with surface treatment                                   |
| <b>Springs</b>          | Spring steel with surface treatment or S.S.                    |
| <b>Plastic parts</b>    | POM, PA, Nylon   |
| <b>Sealing elements</b> | Nitrile rubber   |
| <b>Wire</b>             | PVC Insulated Industrial Cable (Multi Strand copper conductor) |
| <b>Lugs</b>             | Copper IS-191  |

#### Circuit Function



|  |   |
|--|---|
| <b>Model</b>                           | <b>PS</b>                                 |
| <b>Design</b>                          | Diaphragm or Piston Operated              |
| <b>Medium</b>                          | Compressed air- Dry, filtered, Lubricated |
| <b>Working Pressure range</b>          | As per selection                          |
| <b>Maximum Operating Pressure</b>      | 2-10 bar                                  |
| <b>Recommended oil for lubrication</b> | ISO VG32(Servo system 32)                 |
| <b>Ambient/Medium temperature</b>      | 5°-60°C                                   |
| <b>Electrical</b>                      |   |
| <b>Voltage(V) ± 10%</b>                | DC – 12V, 24V.                            |
| <b>Current rating</b>                  | 5 A                                       |
| <b>Duty cycle</b>                      | Continuous                                |
| <b>Class of insulation</b>             | <b>Class F</b>                            |

|             |                 |             |                 |             |                 |             |                 |             |                  |             |                 |             |                 |
|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|------------------|-------------|-----------------|-------------|-----------------|
| PS011       |                 | D           |                 | 0           |                 | T1          |                 | P           |                  | 1           |                 |             |                 |
| <b>Code</b> | <b>Pressure</b> | <b>Code</b> | <b>Pressure</b> | <b>Code</b> | <b>Pressure</b> | <b>Code</b> | <b>Category</b> | <b>Code</b> | <b>Threading</b> | <b>Code</b> | <b>Actuator</b> | <b>Code</b> | <b>Type</b>     |
| A.....      | 0.3 bar         | E.....      | 2.5 bar         | I.....      | 4.5 bar         | 0.....      | Pneumatic       | T1.....     | M12X1.5          | D.....      | Diaphragm       | 1.....      | With Lugs       |
| B.....      | 1 bar           | F.....      | 3 bar           | J.....      | 5 bar           | 1.....      | Hydraulic       | T2.....     | M14X1.5          | P.....      | Piston          | 2.....      | With brass nuts |
| C.....      | 1.5 bar         | G.....      | 3.5 bar         | K.....      | 5.5 bar         |             |                 | T3.....     | 1/2" BSP         |             |                 |             |                 |
| D.....      | 2 bar           | H.....      | 4 bar           | L.....      | 6 bar           |             |                 | T4.....     | 1/4" BSP         |             |                 |             |                 |

#### Order Code:-

While ordering valve, please mention the suffix given above.

**Example:-**The ordering no. for Piston actuated normally closed pressure switch with actuating pressure 2 bar and threading of M12X1.5 with lugs is **PS011D0T1P1**.