

PRODUCT TECHNICAL SPECIFICATIONS

PRESSURE SWITCH Y-3013

SCOPE

This technical specification includes pressure switches.

This technical specification contains design and performance requirements, including pressure/temperature values, dimensions, test procedures, and markings for materials, body, and sealing components.

The coverage-related standards are as follows.

- ❖ FM 3132-2020 – Pressure Actuated Waterflow Switches
- ❖ UL 753-2013 - Alarm Accessories for Automatic Water-Supply Control Valves for Fire Protection Service

A. MATERIALS

Components The component materials of the Pressure Switch must be able to withstand an ambient temperature of at least 52°C indefinitely without changes in operating specifications.

Electrical Components Electrical components - switches, cables, etc. - must comply with the requirements of ANSI / NFPA 70.

Bonnet Screw Bonnet screws of the Pressure Switch should be made of 304 stainless steel material.

Silicone Diaphragm The silicon diaphragm of the Pressure Switch can resist to 34.5 bar (500 psi) pressure.

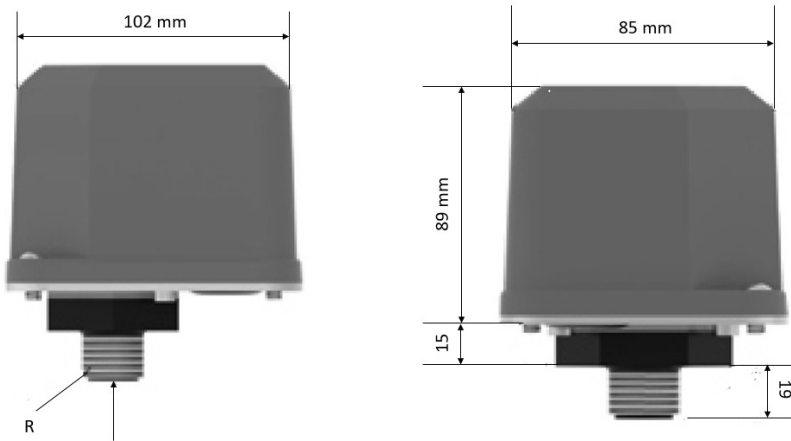
Spring The spring of the Pressure Switch should be made of 301 stainless steel material.

Bonnet Gasket

The bonnet gasket of the Pressure Switch must be resistant to dust and water particles.

B. DIMENSION

Dimensions of the Pressure Switch are as follows.



C. OPERATING PRESSURE

21 BAR(300 PSI)

D. OPERATING TEMPERATURE RANGE

+4 ~ +52 °C

E. FLUID

It should be able to operate with water fluid.

F. MARKING

- DUYAR Logo
- Approvals
- Operating Pressure
- Production Address

G. TEST

Mass Manufacturing Tests;

Pressure Adjustment Test

The activation pressure range of the product will be 4-8 psi (0.28-0.55 bar). Pressure adjustment range of the product should be in the range of 0.28-0.80 bar.

Hydrostatic Test

The pressure switch should be exposed to 500 psi (34.5 Bar) hydrostatic pressure for 5 minutes. Any kind of leakage should not be observed on any part of the body.

H. WARRANTY

The warranty against workmanship and material defects is 2 years.