

# Bailey & Mackey Ltd

## Type 807 & 815



Type 807 pressure switches are suitable for alarm or safety cut out applications on air, water, oil and other low viscosity fluids that are compatible with nitrile rubber and brass.

Type 815 pressure switches are suitable for sequence initiation in hydraulic systems as well as alarm and safety cut out applications on water, oil and other low viscosity liquids that are compatible with nitrile rubber, stainless steel and brass; piston operated pressure switches are not suitable for use with high pressure gases.

- Compact Design
- Robust and reliable
- Manifold Mounting Option
- Plug & Socket Connection
- High Test Pressure
- Rated 5A at 250v 50 Hz
- IP65 Enclosure
- Fully adjustable



### Mechanical Specifications

#### Ranges Available

##### Type 807

0.5 to 4 bar

2 to 8 bar

5 to 16 bar

**Maximum working pressure** 60 bar

##### Type 815

8 to 60 bar

10 to 100 bar

20 to 250 bar

40 to 400 bar

**Maximum working pressure** 600 bar

**Temperature range** -10 to 80°C

(Process fluid must not solidify)

#### Construction Materials

##### 807

**Diaphragm and Seals** Nitrile Rubber

**Housing and Sub base** Brass

##### 815

**Piston** Stainless Steel

**Piston Housing** Stainless Steel

**Sub base** Brass

**Piston Seal** Nitrile Rubber

**Anti-extrusion ring** PTFE

##### Common to both types

**Body** Aluminium

**Coil Spring** Spring Steel

**Micro Switch Housing** Nylon

## Installation

The Pressure Switch can be mounted directly on to G ¼" (1/4" BSPP Female) connecting thread or by removing the base can be manifold mounted

## Pressure Pulsations

Type 807 and 815 pressure switches have a throttle screw fitted. This reduces the effect of pressure spikes or pressure pulses on the switch. It is recommended that when these switches are mounted on a manifold a throttle screw is fitted in the mounting arrangement.

## *Technical Drawing*

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