Bailey & Mackey Ltd

Type 1581 & 2581

This series of pressure switches can be used for all applications where an electrical circuit is required to close or open at a required pressure.

The robustness of this series of pressure switches enables all applications in all industries to be satisfied.

- Robust & Reliable
- Piston Operated
- Proven Performance
- Enclosure Rating IP65
- LPCB Approved
- Twin Circuit Option
- CE Marked
- Fully Adjustable
- Wetted Parts for use with all fluids
- Easily Customised

Mechanical Specifications

Pressures

Pressure Ranges	Hysteresis Typical
9 to 100 bar	10 bar*
14 to 200 bar	18 bar*
20 to 400 bar	25 bar*

*Typical for mid-range set point

Electrical Ratings

10 Amp at 250V ac 50Hz Inductive Load

1 Amp at 30V dc Inductive Load

For other voltages and current ratings please consult our Technical Sales Department.

Standard Materials

Piston	316 Stainless Steel
Seal	Nitrile Rubber with PTFE Anti-extrusion rings
Base	Stainless Steel
Housing	Aluminium/Zinc Diecast
Cover	Glass filled nylon with Neoprene seal

Set Point Accuracy	+/- 2%
Temperature Range	-10 to°C +85°C (Process fluid must not Solidify)
Temperature Coefficient	0.05% (of range per 0°C from 20°C)

2581

- Two Independently operating micro-switches
- External dimensions are the same as the standard Switches
- Reset Differentials are approximately twice those given for the standard switches
- Electrical rating 5 Amp at 250V ac 50hz

Further Info

Maximum Pressure

To ensure long service and life select the pressure range as follows:

Dynamic pressure applications Pmax = 75% of Range

Static pressure applications Pmax = 100% of Range

Maximum Pressure that can be applied is 125% of pressure range

Installation

The Switches can be mounted directly on the connecting thread. Sealing grooves are machined into the end face of the parallel threads for the use with sealing washers. A mounting bracket is available if required.

Vacuum Setting

At ambient pressure the switches will be in the operated condition consequently the wiring should be reversed i.e NO becomes NC.

Technical Drawings