

# 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%

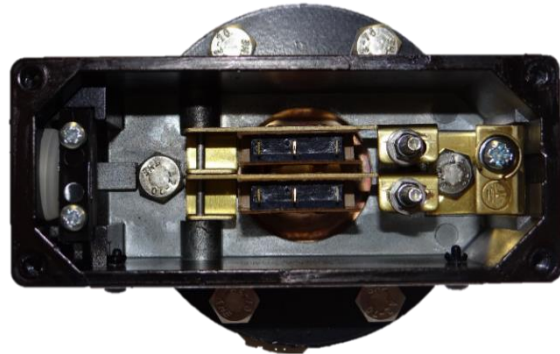
**Temperature Range** -10 to°C +85°C (Process fluid must not Solidify)

**Temperature Coefficient** 0.05% (of range per 0°C from 20°C)

2581

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- 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

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### Maximum Pressure

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

Dynamic pressure applications  $P_{max} = 75\%$  of Range

Static pressure applications  $P_{max} = 100\%$  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

