

Bailey & Mackey Ltd



Type 12

Type 12 Pressure Switches are suitable for alarm or safety cut out applications on air, water, oil and other low viscosity fluids that are compatible with EPDM rubber and brass.

- Very Small and compact
- Factory set and field adjustable
- Spring diaphragm operated
- Rated 5 amp at 250V 50Hz
- Burst Pressure 100 bar
- CE Marked



Mechanical Specifications

Pressures

Pressure Range	Hysteresis
0.5 to 3 bar	0.5 bar
0.7 to 5 bar	0.7 bar
1 to 8 bar	0.9 bar
2 to 10 bar	1.5 bar
3 to 22 bar	3 bar
5 to 35 bar	4 bar
9 to 60 bar	5 bar

Standard Materials

Connection	Brass
Body	Delrin
Seal	EPDM Rubber
Diaphragm	Beryllium Copper

Electrical Data

Switching is effected by means of a micro-switch rated at 5 Amp 250V 50Hz. The use on dc circuits or with micro-processor controls should be discussed with our Technical Sales Department

Temperature

Type 12 pressure switches are suitable for use in ambient temperature of -10 to +80°C. The Process fluid must not solidify within these limits

Further Info

Electrical Data

Type 12 pressure switches are supplied with 0.5 metre of 4 core cable connected as follows;

Common	Brown
Normally Open	Black
Normally Closed	Grey
Earth	Green / Yellow

Corrosive Applications

The connection can either be stainless steel or UPVC. The diaphragm can be protected from corrosion by fitting a thin disc or PTFE (switches fitted with protection disc should not be subject to vacuum).

Seals can PTFE, Viton or Nitrile rubber.

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

Technical Drawing

