THE PNEUMATIC SWITCH

The design combines two separate units into a single control.

The sensing unit is the well tried, job proven SIRCO™ Control, replacing the electric switching element with a Pneumatic Output.

Main application areas:

- Hazardous (being absolutely explosion proof).
- Direct actuation of valve motors (without the use of solenoids or pilot valves).
- Control system simplification (with consequent decrease in original and maintenance costs).

The valves furnish a positive pneumatic on / off signal.

NOTE:

Controls fitted with MAS Pneumatic Valves, can only be supplied with a Fixed Differential.

Differentials are 2 x the larger of the two offered on a particular range, or 8 x when only one differential is offered.

The valve described above can be supplied fitted to any model of the series 2000 pressure, vacuum and temperature controls.
CONNECTION DETAILS:

Mode 1
When the air input is to port No. 1 and the plunger is in the de-energised position, the output from port No. 2 will be shut off. When the plunger is energised the supply will be fed out through port No. 2 to actuate/initiate as required. Upon de-energising the plunger, the output will be cut off, and spent air, which would otherwise be trapped, will be exhausted via port No. 3.

Mode 2
When the air is to port No. 3 and the plunger is in the de-energised position, there will be an output from port No. 2 to actuate/initiate as required. When the plunger is energised, the output from port No. 2 will be shut off and the spent air, which would otherwise be trapped, will be exhausted via port No. 1. Upon de-energising the plunger, the output from port No. 2 will be restored.

Notes:
a) A pilot air supply of not less than 3 Bar must be connected to port No. 4.
b) Pilot air consumption 0.2 c.f.m. (0.0057 m³/m)
c) Port connections are ¼" BSP (standard)
d) Pressure of between 0.14 and 7 Bar can be switched by MAS Pneumatic Valve