



Flow Switch

This simple wall, or in some cases, flowmeter mounted instrument gives an adjustable set point with a single pole, voltage free relay output. There are two hysteresis levels to prevent relay flutter at the selected set frequency input. The standard converter has an input frequency range of 0 to 1 KHz. The status LED's on the circuit board indicates when the relay has operated and power / inputs are present. The enclosure is a high impact polycarbonate that seals the unit to IP65 (NEMA 4X). Access to the terminals is normally via a pair of glands on the bottom of the enclosure.

Features

- 5A SPCO relay
- Non volatile memory
- 18 – 24V dc operation
- Pulse input
- 2% hysteresis
- -20°C to +70°C
- Wall mounting or meter mount
- Frequency range up to 1000 Hz
- IP65 enclosure
- Output status LED
- Selectable for rising or falling trip
- Volt free contacts

Ideal for

- Cooling water alarms
- Test rings
- Control systems
- Critical oil flows





Specifications

Power	18 - 24 V dc or ac
Output	Single pole change over relay – voltage free
Signal	Pulse input compatible with Hall Effect
Display	Status LEDs Red for relay output / green for power
Enclosure	IP65 (NEMA 4X) high impact polycarbonate
Temp	-20°C to +70°C
Frequency range	0 – 1000 Hz
Sensor Supply	18 – 24 Vdc

Calibration

Calibration is performed at our factory on equipment that is traceable to national standards. If the flow switch requires re-calibration in situ the following procedure may be followed.

1. Select relay rising or falling operation.
2. Set the flow you required for the set point or inject a frequency equivalent to this and adjust the potentiometer until the relay just operates.

J5 used for rising / falling flow.

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