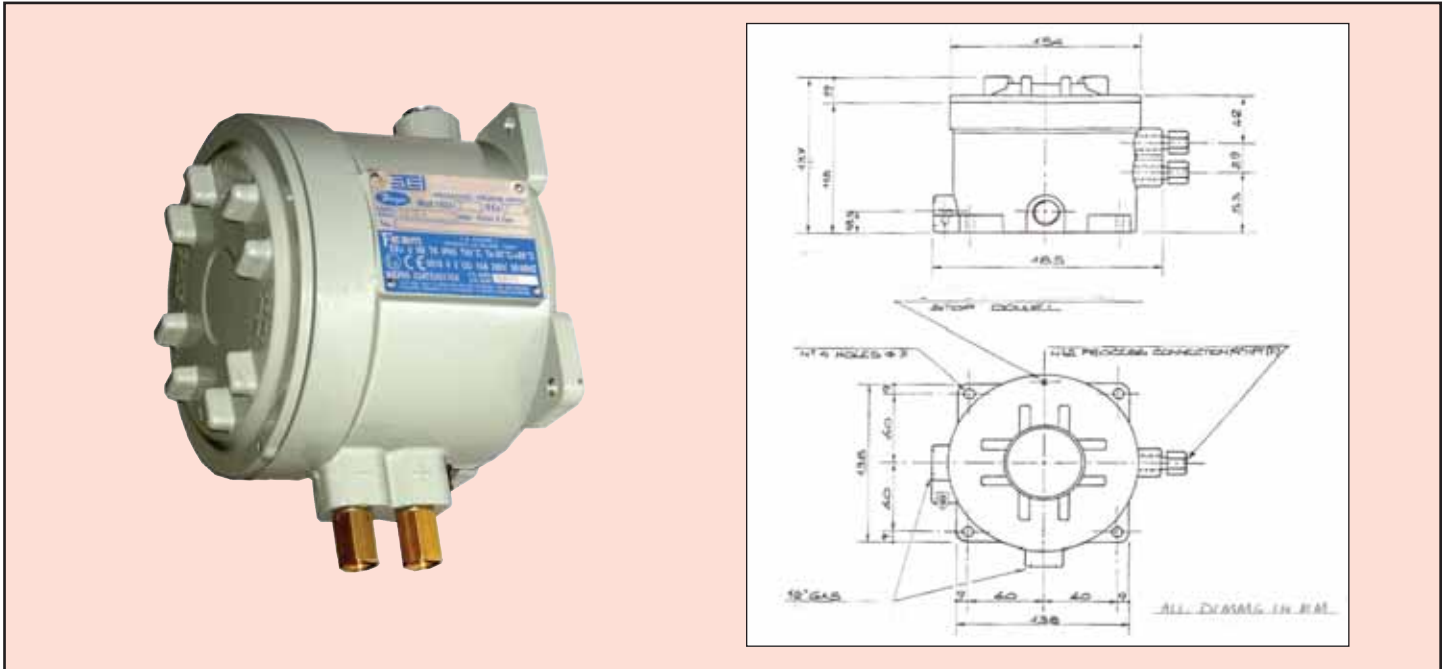




Series
1800

ATEX Approved Explosion-Proof Low Differential Pressure Switches

Set Points from 17.5 Pa to 21.26 kPa Repetitive Accuracy within 2%



The Model 1823 ATEX offers the proven reliability of the Dwyer Series 1823 Differential Pressure Switch in an ATEX approved housing. All ranges of the Series 1823 are available in the ATEX version. The Series 1823 combines a low price, compact size with a switch repeatability of 2% in an IP65 housing.

CAUTION: FOR USE ONLY WITH AIR OR COMPATIBLE GASES.

SERIES 1823 SWITCHES — MODELS OPERATING RANGES & DEADBANDS

Model Number	Operating Range	Approximate Dead Band (Pa)	
		At Min. Set Point	At Max. Set Point
1823-00-ATEX	17.5 to 55 Pa	12.5	12.5
1823-0-ATEX	37.5 to 125 Pa	15	15
1823-1-ATEX	75 to 250 Pa	20	20
1823-2-ATEX	125 to 500 Pa	25	30
1823-5-ATEX	375 Pa to 1.25 kPa	35	70
1823-10-ATEX	500 Pa to 2.5 kPa	45	112
1823-20-ATEX	750 Pa to 5.6 kPa	88	175
1823-40-ATEX	1.25 kPa to 11 kPa	140	275
1823-80-ATEX	2.25 kPa to 21.25 kPa	325	750

Options

Consult factory for stainless steel housing

SPECIFICATIONS

Service: Air and non-combustible, compatible gases.

Wetted Materials: Consult factory.

Temperature Limits: -34 to 82.2°C; 1823-00: (-28.9 to 82.2°C).

Pressure Limits: 68.95 kPa continuous; 172.4 kPa surge.

Enclosure Rating: Explosion-proof and weather-proof II 2 GD EExd IIB T6 - T85°C IP65.

Switch Type: Single-pole double-throw (SPDT).

Repeatability: ±2%.

Electrical Rating: 15 A @ 120-480 VAC, 60 Hz. Resistive 1/8 HP @125 VAC, 1/4 HP @ 250 VAC, 60 Hz. De-rate to 10 A for operation at high cycle rates.

Electrical Connections: 3 screw type, common, normally open and normally closed.

Process Connections: 1/4" female NPT.

Mounting Orientation: Diaphragm in vertical position.

Set Point Adjustment: Screw type inside mounting spud.

Agency Approvals: CE, ATEX