



PRESSURE

DUAL SETPOINT DIFFERENTIAL PRESSURE SWITCH

DDP-109

DESCRIPTION

The Cleveland Controls Model DDP-109 Dual Setpoint Differential Pressure Switch provides dual switch action for HVAC and energy management applications. Two separately operated, independently adjustable SPDT snap-acting switches are mounted on a common foot bracket. Since the switches are set independently, an adjustable "deadband" can be established for control circuits requiring both high and low actuation points. The unit can measure differential pressures up to 2" W.C.

FEATURES

- Dual adjustable setpoints
- Independent switch operation
- Actuated by a pressure or vacuum air flow
- 15A SPDT switches

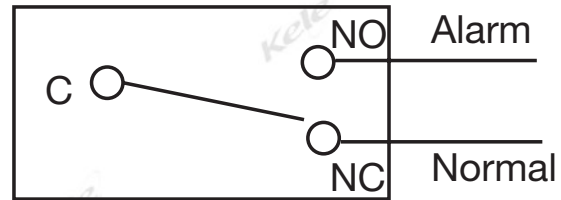


SPECIFICATIONS

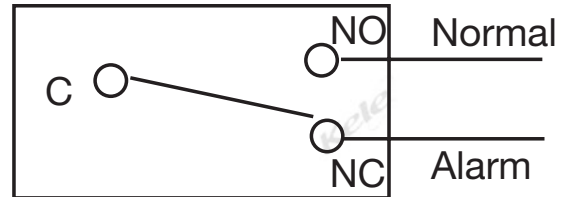
Contact Rating	15A resistive, 277 VAC, 60 Hz; 300 VA pilot duty @ 115-277 VAC, 60 Hz
Contact Type	Dual SPDT
Setpoint Range Differential	0.05" to 2.0" W.C. (12.5 to 498Pa) Progressive, 0.02" W.C. (5.0 Pa) @ minimum setpoint to 0.8" W.C. (199 Pa) @ maximum setpoint
Overpressure	0.5 psi (0.03 bar)
Life Expectancy	100,000 cycles minimum @ 1 psi maximum each cycle and maximum rated load
Operating Temperature	-40° to 176°F (-40° to 82°C)
Enclosure	Zinc-coated steel
Diaphragm Material	Silicone
Mounting	Diaphragm in vertical plane
Process Connection	Compression fittings for 1/4" OD rigid or semi-rigid tubing
Wiring Terminations	Screw terminals with cup washers
Approvals	CSA, UL Recognized File MH6213
Weight	1.5 lb (0.68 kg)
Warranty	1 year

WIRING

To prove excessive air flow or pressure:



To prove insufficient air flow or pressure:



ORDERING INFORMATION

MODEL
DDP-109

DESCRIPTION
Dual setpoint differential pressure switch, 0.05" to 2.0" W.C. (12.5 to 498 Pa)

A-301-K
A-302-K
A-345-K
T-101

RELATED PRODUCTS
Duct static pressure tip, 1/4" compression
Duct static pressure tip, 1/4" barb
Flange mounting kit (1 required for each A-301-K or A-302-K)
1/4" OD black poly tubing, 1 coil, 250 ft (76 m)

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