



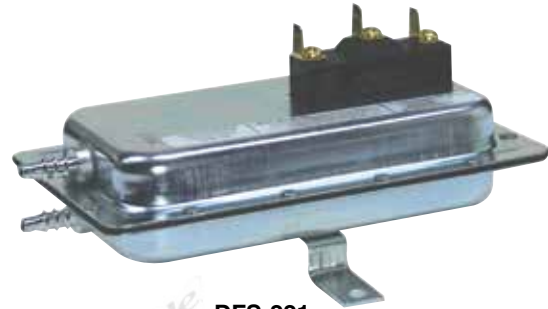
FIXED DIFFERENTIAL PRESSURE SWITCH DFS-221

DESCRIPTION

The **Cleveland Controls Model DFS-221 Fixed Differential Pressure Switch** is an airflow proving switch designed for duct heater, oven, and other HVAC and energy management applications. The unit senses positive, negative, or differential pressure with SPDT switch actuation on pressure rise at 0.05 WC, ± 0.02 WC. The model DFS-221 is equipped with two barbed sample line connections for use with ID flexible tubing. Electrical connections are made via male quick connect terminals for easy installation.

FEATURES

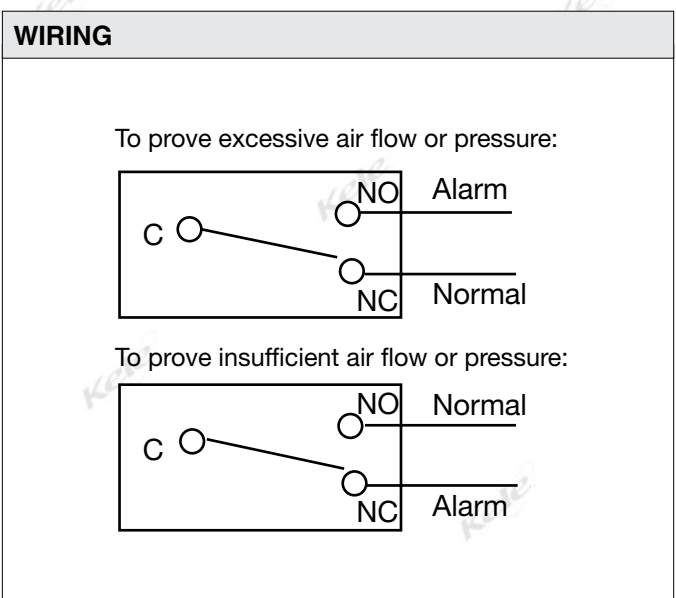
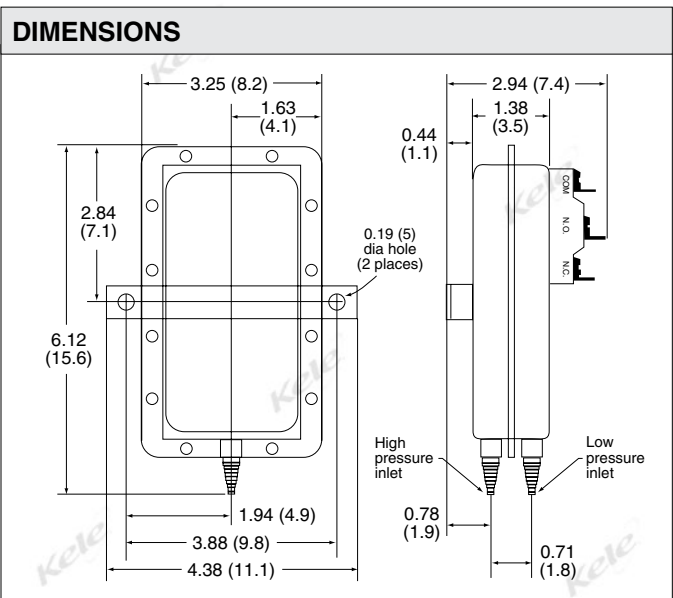
- **Fixed set point at 0.05 W.C. (12.5 Pa)**
- **Prove excessive or insufficient pressure**
- **Quick connect terminals**
- **15A, SPDT switch**



DFS-221



SPECIFICATIONS	
Relay Type	SPDT
Relay Rating	15 A resistive, 277 VAC, 60 Hz 300 VA pilot duty @ 115-277 VAC, 60 Hz
Setpoint	Fixed @ 0.05" WC (12.5 Pa)
Differential	0.02" WC
Reset Automatic	Reset by differential
Sensor Type	Silicone Diaphragm
Operating Pressure Range	0.05 to 2" WC
Overpressure	(Burst) 13.8"WC (3.45 kPa)
Max Operating Pressure	(Proof) 13.8"WC (3.45 kPa)
Operating Temperature	-40° to 180°F (-40 to 82°C)
Operating Humidity	10 to 90% Non-condensing
Wetted Parts	Silicone
Media Compatibility	Inert dry air
Process Connection	Barb for 1/4" and 3/8" tubing
Wiring Terminations	3 Spade terminals, 1/4" x 0.032
Mounting Vertical bracket,	2 holes 0.187 (0.5cm)
Enclosure Rating	Zink-plated steel, NEMA 1
Dimensions	4.38"W x 6.12"H x 2.94D, (11.1 x 15.6 x 7.4 cm)
Weight	1.2 lb (0.5 Kg)
Approvals	CE, CSA, FM, UL File #MH6213
Warranty	2 years



ORDERING INFORMATION

MODEL	DESCRIPTION
DFS-221	Fixed differential pressure switch, 0.05" W.C. (12.5 Pa)