



PRESSURE

DIFFERENTIAL PRESSURE SWITCH KDPS SERIES

DESCRIPTION

The **Kele KDPS Series Adjustable Differential Pressure Switches** are general-purpose, airflow-proving switches designed for HVAC and building automation applications. The **KDPS Series** can be used to sense positive, negative, or differential air pressure. It is housed in a rugged plastic enclosure with a removable cover protecting the set point adjustment knob and snap action switch terminals. Electrical connections are made through a 7/8" diameter opening with M20X1.5 conduit connection. Optional 1/2" NPT connection is available by adding "F" to the part number.

FEATURES

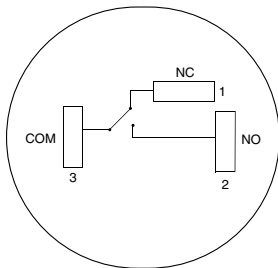
- **Transparent cover for setpoint confirmation**
- **Easy, field adjustable set point**
- **Dual scales**
- **Installer kit with PVC tubing included**



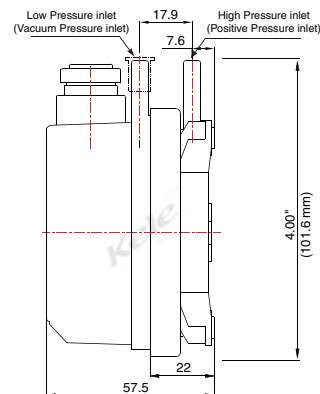
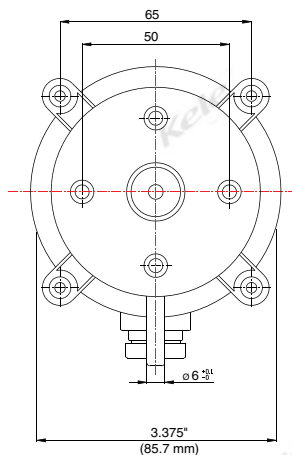
KDPS Series



WIRING



DIMENSIONS



SPECIFICATIONS

Relay Type	SPDT	Sensor Type	Diaphragm
Relay Rating	1.5A resistive	Overpressure	(Burst) 40 .4"WC (10kPa)
Setpoint		Max Operating Pressure	(Proof) 20"WC (5kPa)
KDPS-02	0.08" to 0.80" WC (20 to 200 Pa)	Operating Temperature	-40° to 185°F (-40 to 85°C)
KDPS-03	0.12" to 1.20" WC (30 to 300 Pa)	Operating Humidity	10 to 90% Non-condensing
KDPS-04	0.16" to 1.60" WC (40 to 400 Pa)	Wetted Parts	Rubber for clean air only
KDPS-05	0.20" to 2.00" WC (50 to 500 Pa)	Media Compatibility	Inert
KDPS-10	0.80" to 4.0" WC (200 to 1000 Pa)	Process Connection	0.23 OD nipple for 0.25 OD/0.17 ID tubing
KDPS-25	2.0" to 10.0"WC (500 to 2500 Pa)	Wiring Terminations	3 Terminals SPDT
Differential Fixed,	0.04" to 0.06" WC (See ordering)	Mounting	4 tabs w/Holes 0.14" (0.36cm)
KDPS-02/03	0.04" WC (10 Pa)	Enclosure Rating	NEMA 3R, (IP54)
KDPS-04/05	0.08" WC (20 Pa)	Dimensions	3.95"W x 3.49"H x 1.55"D, (10 x 8.9 x 3.9 cm)
KDPS-10	0.4" WC (100 Pa)	Weight	0.38 lb (0.17 Kg)
KDPS-25	0.6"WC (150 Pa)	Approvals	CE, UL File #MH46253, RoHS
Reset Automatic	Reset by differential	Warranty	1 year
Visual Indication	Internal SP dial		

ORDERING INFORMATION

MODEL	DESCRIPTION
KDPS-02	Differential pressure switch, 0.08" to 0.80" WC (20 to 200 Pa)
KDPS-03	Differential pressure switch, 0.12" to 1.20" WC (30 to 300 Pa)
KDPS-04	Differential pressure switch, 0.16" to 1.6" WC (40 to 400 Pa)
KDPS-05	Differential pressure switch, 0.20" to 2.00" WC (50 to 500 Pa)
KDPS-10	Differential pressure switch, 0.80" to 4.0" WC (200 to 1000 Pa)
KDPS-25	Differential pressure switch, 2.0" to 10.0" WC (500 to 2500 Pa)
Note: Add "F" to part number for 1/2" NPT connection - Example KDPS-02F	