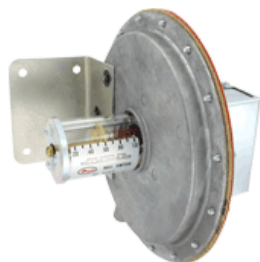


Series 1640 Floating Contact Null Switch for High and Low Actuation

Visual Set Point Adjustment, Adjustable Null Zone



The unique electric switch design in the **Series 1640** is another Dwyer Instrument, Inc. innovation. The Dwyer® Series 1640 Differential Pressure Switch resembles the Series 1630 switches. However, the Series 1640 is equipped with a single pole, double throw floating contact switch (not snap acting) so it functions as a null switch.

As the diaphragm moves in response to pressure changes, it moves the floating contact to cause switching action at two preset points with no switching action between these points. The "high" circuit will be closed when rising pressure differential reaches the preset level. The "low" circuit will be closed when falling pressure differential reaches the preset level.

A typical example of usage is to position motorized dampers when static pressure in a duct system reaches a desired maximum and reposition the dampers when the static pressure falls to a pre-established minimum. By using a Pitot tube sensing element the Series 1640 switch can serve in the same way to control air velocity and maintain a constant volume of air in a supply duct.

CAUTION: FOR USE ONLY WITH AIR OR COMPATIBLE GASES.

Product Applications

- Damper positioning
- Duct air control

Model Chart

EXAMPLE	1640	0	AT	Series 1640-0-AT Floating Contact Null Switch for High and Low Actuation, range 0.01-0.2" w.c., with aluminum tag.
SERIES	1640			Floating Contact Null Switch for High and Low Actuation
RANGE		0		0.01 - 0.2" w.c.
		1		0.20-1.0" w.c.
		2		1.0-4.0" w.c.
		5		2.0-6.0" w.c.
		10		3.0-12.0" w.c.
		.25KPA		0.05-0.25 kPa
		1KPA		0.4-1.0 kPa
	1.5KPA		0.5-1.5 kPa	
	3KPA		1.0-3.0 kPa	

OPTIONS				
			AT	Aluminum Tag
			LC	Less Conduit
			PRESET	Preset
			ST	Stainless Steel Tag