

Pneumatic Edge Switch

PS20A



SENSING EDGE ACCESSORY

The Miller Edge pneumatic switch offers a reliable, cost-effective alternative to an electric sensing edge, ideal for extremely wet, refrigerated doors subject to condensation, and low temperature climates. The PS20A switch enclosure accepts an air hose connection. When the hose is compressed, air is forced into the diaphragm and the switch is activated. This converts the pressure wave into an electrical contact, which signals the commercial door operator to stop and/or reverse motion. Pneumatic switches are compatible with pneumatic configured sensing edges and treadles, and are non-monitored.



APPLICATIONS

- Pneumatic configured sensing edges on motorized doors
- Pneumatic configured treadles
- Signaling hoses on floors

FEATURES

- Compatible with Miller Edge Pneumatic configured sensing edges up to 18 ft.
- Built-in strain relief
- Can be used with standard pneumatic hose
- Normally open or normally closed operation
- Vertical or horizontal mounting
- Easy to install
- Non-monitored
- 2-year warranty



For more information, please visit www.devancocanada.com
or call toll free at 1-855-931-3334



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GENERAL SPECIFICATIONS

PERFORMANCE

| | |
|--------------------------|-------------------------------|
| Detection Technology | Pneumatic pressure |
| Maximum Pressure | 20 PSI |
| Maximum Switch Frequency | 25 per second |
| Maximum Edge Length | 18 ft. |
| Operating Temperature | -4°F to 158°F (-20°C to 70°C) |
| Mechanical Life | Minimum 1,000,000 operations |

ELECTRICAL

| | |
|--------------------------|-----------------------|
| Output | N.O. and N.C. |
| Maximum Contact Load | 5 amps @ 250 volts AC |
| Electrical Configuration | 2-wire, N.O. and N.C. |
| Terminal Configuration | 0.187 in. tabs |

PHYSICAL

| | |
|----------------------|--|
| Dimensions | 2"W x 4-7/8"H x 2"D (51 x 124 x 51 mm) |
| Weight | 3.15 oz. |
| Housing Material | ABS |
| Diaphragm | Silicone |
| Contact Material | Silver plated |
| Mounting | Screw tabs |
| Degree of Protection | NEMA 12 |

RELATED PRODUCTS*

· Pneumatic Edge Components:

- Junction Boxes
- Coil Cords

- Retracting Reels
- End Plugs
- Gum Rubber Air Hose

· Pneumatic Edge Kits:



PS20K500-12

12 ft. x 1/2 in. gum rubber hose,
4 in. hard rubber hose,
(2) end plugs, (2) wire nuts



PS20K500-12C

12 ft. x 1/2 in. gum rubber hose,
4 in. hard rubber hose, (2) end
plugs, (2) wire nuts, 12 ft. coil cord



PS20K500-18

18 ft. x 1/2 in. gum rubber hose,
4 in. hard rubber hose,
(2) end plugs, (2) wire nuts



PS20K500-18C

18 ft. x 1/2 in. gum rubber hose,
4 in. hard rubber hose, (2) end
plugs, (2) wire nuts, 12 ft. coil cord

*Contact your Miller Edge Sales Representative for a complete list of related products.

