

Universal - Wireless Pneumatic Switch

Applications

- **Coiling Grilles**
- **Mass Transit Vehicles**
- **Rolling Doors**
- **Sectional Doors**
- **Sliding Doors**

About the PS20...

The PS20 pneumatic switch offers a reliable, low cost signalling alternative. The PS20 switch enclosure accepts an air hose connection. When the attached hose is compressed and air is forced into the diaphragm, it activates a switch. The signal is sent to the motor controls via wired (PS20A) or wireless (PS20-RF) transmission.

The PS20-RF switch offers installation time savings and improved visual aesthetics as there is no need to hard wire a coil cord or retracting reel. PS20-RF switch includes a receiver which is wired to the motor controls.

PS20 kits are available as either hard-wired (PS20A) or wireless (PS20-RF) complete with receiver and may be installed on doors up to 18 feet wide.



PS20A Wired Pneumatic Switch



PS20-RF Switch with embedded transmitter

FEATURES:

- PS20A kit includes coil cord and hose length: 12 or 18 feet
- PS20-RF kit includes receiver

TECHNICAL SPECIFICATIONS:

Physical	
Dimensions	5"L x 2"W x 2"H (nominal)
Enclosure Material	ABS
Mounting Method	Wall, Floor or Post
Color	Black enclosure
Mechanical	
Detection Technology	Forced Air
Operating Temp. Range	PS20A -4°F (-20°C) to 158°F (+70°C) PS20-RF +14°F (-10°C) to 158°F (+70°C)
Max. Pressure	20 PSI
Max. Switch Frequency	25/second
Max. Pneumatic Load	2,000mm

FUNCTIONAL BENEFITS:

- PS20-RF: Wireless feature reduces installation time
- PS20-RF: Easily replaceable transmitter battery
- PS20A: Built in wire strain relief
- Spans distances up to 18 feet
- Vertical or horizontal mounting for ease of installation
- Weather resistant enclosure ensures reliability
- Compact Design: Stores easily on service vehicles

TECHNICAL SPECIFICATIONS:

	PS20A-K500 <i>Wired</i>	PS20-K500C <i>Wired</i>	PS20-RF-K500 <i>Transmitter/Receiver</i>
Kit Components			
Switch	PS20A 3-wire; SPDT	PS20A 3-wire; SPDT	PS20-RF embedded transmitter CR2032 coin cell battery (3VDC). Battery Life: 30,000 cycles minimum (over 3 years at 20 transmissions per day)
Air Hose: Material Dimensions	Gum Rubber Diameter: .5 in. Length: 12 ft or 18 ft	Gum Rubber Diameter: .5 in. Length: 12 ft or 18 ft	Gum Rubber Diameter: .5 in. Length: 12 ft or 18 ft
Coil Cord	Not included	C182-12: 18 ga, 2 conductor, 12 ft extended length	Not applicable

Pneumatic Accessories

- RAH-375--Pure gum rubber air hose: 3/8" ID, 1/8" wall
- RAH-500--Pure gum rubber air hose: 1/2" ID, 1/8" wall
- P-50--End plugs for 3/8" ID and 1/2" ID rubber air hose
- P-75--End Plugs for 3/4" ID rubber air hose
- Treadle Switch

Warranty

We will replace within one year of shipment from our factory, any PS20A or PS20-RF subject to normal use which is found to have defective materials or workmanship, as determined solely by our factory representative. Replacements will be shipped to you freight collect. This warranty is void where evidence of misuse or abuse is present.



MFR-01 Receiver
SPECIFICATIONS:

Size	4"L x 3" W x 1" H
Operating Frequency	915 MHz
Power Requirements	10 to 40 VDC 10 to 30 VAC

