Pneumatic Switches

Applications

- Coiling Grilles
- Rolling Doors
- Sectional Doors
- Sliding Doors

About the PS20...

The PS20 pneumatic switch offers a reliable, low cost signaling alternative to an electric edge. 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 is our standard PS20A pneumatic switch with a transmitter embedded within the switch enclosure. Its wireless feature eliminates the need to hardwire coil cords or retracting reels, which saves installation time and improves visual aesthetics. The PS20-RF switch kit includes a receiver, which is wired to the motor controls. Each transmitter/receiver pair is capable of 4 billion coding combinations, negating the possibility of crosstalk with an adjacent door.



PS20A Wired Pneumatic Switch



PS20-RF Switch with embedded transmitter



MRF-01 Receiver

FEATURES:

- Works on doors up to 18' in length
- RF version operates at distance up to 100' depending on conditions
- Simple installation
- Can be used with standard pneumatic hose and Miller Edge extrusion

TECHNICAL SPECIFICATIONS: PNEUMATIC SWITCHES

Physical	
Dimensions	5" L x 2" W x 2" H (nominal)
Enclosure Material	ABS
Diaphragm	Silicone
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
Battery PS20-RF	CR2032 coin cell battery (3VDC) Battery Life: 30,000 cycles minimum (over 3 years at 20 transmissions per day)

TECHNICAL SPECIFICATIONS: RECEIVER

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

MillerEdge®

Models # PS20A, PS20-RF

Part Numbers:

PS20A: Original pneumatic switch only
PS20-RF: Pneumatic switch with transmitter embedded
MRF-01: Receiver only
PS20-RFK10: PS20-RF + MRF-01

Pneumatic Edge Kits- Wired:

(Include switch, end plug, 1/2" hose)

Model #	Hose Length	Coil Cord 12'
PS20K500-12	12'	None
PS20K500-12C	12'	Included
PS20K500-18	18'	None
PS20K500-18C	18'	Included

Pneumatic Edge Kits- Wireless:

(Include switch w/ transmitter embedded, receiver, end plug, 1/2" hose)

Model #	Hose Length	Coil Cord
PS20K500-12-RF	12'	None
PS20K500-18-RF	18'	None

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.



**Pneumatic Edge Kit:
Wired with Coil Cord**



**Pneumatic Edge Kit:
Wired without Coil Cord**



**Pneumatic Edge Kit:
Wireless with Receiver**