

Air-Wave Edge Switch

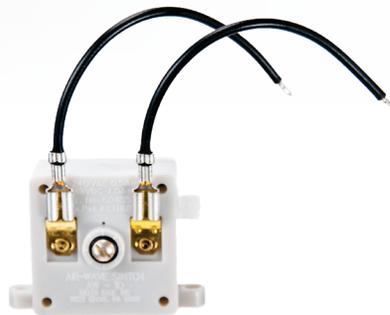
AW10, AW12A, AW14



SENSING EDGE ACCESSORY

The Miller Edge Air-Wave switch was developed for applications such as extremely wet and/or refrigerated areas subject to condensation, cold climates, high vibration environments, and other areas where a monitored electric sensing edge is not ideal. The Air-Wave switch activates when a wave of air is compressed through an air hose and triggers the internal diaphragm. This converts the pressure wave into an electrical contact, which signals the commercial door operator to stop and/or reverse motion. Air-Wave switches have adjustable sensitivity and are available in three models to suit each unique application. Air-Wave switches are compatible with Air-Wave configured sensing edges and treadles, and are non-monitored.

*For wireless Air-Wave, see AW14-RF.



AW10



AW14



AW12A

APPLICATIONS

- Air-Wave configured sensing edges on motorized doors
- Air-Wave configured treadles

FEATURES

- Three models:
 - **AW10:** Air-Wave switch only
 - **AW12A:** AW10 switch in NEMA 4 polycarbonate enclosure
 - **AW14:** AW10 switch in ABS enclosure
- Compatible with Miller Edge Air-Wave configured sensing edges up to 60 ft.
- Sensitivity adjustment compensates for temperature highs and lows
- Easy to install
- Non-monitored
- 2-year warranty

610-869-4422

www.milleredge.com





Air-Wave Edge Switch

AW10, AW12A, AW14

OPTIONS

- Models:
 - AW10: Non-monitored
 - AW12A: Non-monitored
 - AW14: Non-monitored



GENERAL SPECIFICATIONS

PERFORMANCE

Detection Technology	Pneumatic pressure
Maximum Pressure	3 PSI
Maximum Switch Frequency	25 per second
Adjustable Sensitivity	0.078 to 19.7 in. (2 to 500 mm) water column
Maximum Edge Length	60 ft.
Operating Temperature	-49°F to +180°F (-45°C to +82°C)
Mechanical Life	Minimum 1,000,000 operations

ELECTRICAL

Output	N.O., N.C.
Maximum Contact Load	0.5 amps, 220 volts AC; 1 A, 48 volts DC
Electrical Configuration	2-wire, N.O.
Terminal Configuration	0.187 in. Q.C. tabs

	AW10	AW12A	AW14
PHYSICAL			
Dimensions	1-3/4" W x 1-1/4" H x 1-1/4" D (44 x 32 x 32 mm)	1-13/16"W x 6-3/4"H x 1-3/4"D (46 x 171 x 44 mm) (with fittings)	1-15/16 W x 3-3/8 H x 1-11/16 D in. (50 x 85 x 43 mm)
Weight	.5 oz.	4.5 oz.	4.5 oz.
Housing Material	ABS	AW10 in polycarbonate enclosure	AW10 in ABS enclosure
Mounting	Screw tabs	Screw tabs	Screw tabs
Degree of Protection	-	NEMA 4	NEMA 1

RELATED PRODUCTS*

- Air-Wave Edge Components:
 - Junction Boxes
 - Coil Cords
 - End Plugs
 - Gum Rubber Air Hose
 - Retracting Reels
- Air-Wave Edge Kits:**
 - AW14K500-12: 12 ft. gum rubber hose
 - AW14K500-12C: 12 ft. gum rubber hose, 12 ft. coil cord
 - AW14K500-18: 18 ft. gum rubber hose
 - AW14K500-18C: 18 ft. gum rubber hose, 12 ft. coil cord
 - AW14K500-24: 24 ft. gum rubber hose
 - AW14K500-24C: 24 ft. gum rubber hose, 12 ft. coil cord

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

** Air-Wave edge kits include: AW14 with silicone hose, gum rubber hose (1/2 in. i.d.), (2) end plugs, (2) wire nuts, (1) barbed connector, (3) mounting screws



AW14K500-12
with 12 ft. Gum Rubber Hose



AW14K500-12C
with 12 ft. Gum Rubber Hose & Coil Cord

Contact Miller Edge to ensure compatibility.

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