

S688 Sail Switch



The Sail Switch activates an electronic air cleaner, a humidifier, or other equipment in response to airflow from the system fan. The S688A is mounted in the return air duct where the sail will be in the direct path of an unrestricted air stream.

- Simplified installations with multi-speed fans, in-accessible air handlers, fan motors with voltage or phase different from controlled equipment; eliminated wiring to system fan.
- Polyester film sail mounted on a micro switch snap switch.
- Removable spring counterbalances sail to allow mounting in either vertical (up or down) or horizontal air flow.
- Top and bottom conduit knockouts for wiring convenience.
- Low air velocity switch operation makes at 250 fpm and breaks at 75 fpm.

Dimensions, Approximate: 2 15/16 in. high x 3 3/4 in. wide x 2 in. deep (59 mm high x 95 mm wide x 51 mm deep)

Contact Ratings (AFL): N.C. Contacts: 0.5 A @ 240 Vac; N.C. Contacts: 1.0 A @ 24 Vac, 120 Vac; N.O. Contacts: 1.0 A @ 240 Vac; N.O. Contacts: 2.0 A @ 24 Vac, 120 Vac

Contact Ratings (ALR): N.C. Contacts: 3.0 A @ 240 Vac; N.C. Contacts: 6.0 A @ 24 Vac, 120 Vac; N.O. Contacts: 6.0 A @ 240 Vac; N.O. Contacts: 12.0 A @ 24 Vac, 120 Vac

Contact Ratings (Resistive): N.C. Contacts: 2.5 A @ 24 Vac, 120 Vac, 240 Vac; N.O. Contacts: 2.5 A @ 240 Vac; N.O. Contacts: 5.0 A @ 24 Vac, 120 Vac

Maximum Ambient Temperature: At switches: 125 F; At sail: 170 F (At switches: 52C) (At sail: 77 C)

Approvals

Canadian Standards Association: Certified

Underwriters Laboratories, Inc: UL Listed: File No. E4436, Guide No. XAPX. For use in ambient temperatures normally prevailing in occupiable spaces, which usually are not higher than 77 F (25 C) but occasionally may be as high as 104 F (40 C) for brief periods.

Product Number	Switching	Operating Velocity		Sail Dimensions		Insertion Length	
		(fpm)	(m/s)	(inch)	(mm)	(inch)	(mm)
S688A1007	SPDT	75 fpm-250 fpm	0.4 m/s-22.9 m/s	5 in. wide (max), 26.2 sq. in. of area	127 mm wide (max), 16,903 mm ²	10 in.	254 mm

Sail Switch Accessories

Product Number	Description	Used With
123773A	Sail assembly for S688A	S688A