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.

Indoor Air Quality

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)

Maximum Ambient Temperature:
At switches: 125 F (52 C)
At sail: 170 F (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	Contact Ratings			Switching	Operating Velocity		Sail Dimensions		Insertion Length	
	(AFL)	(ALR)	(Resistive)		(m/s)	(fpm)	(inch)	(mm)	(inch)	(mm)
* S688A1007	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	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	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	SPDT	0.4 m/s - 22.9 m/s	75 fpm - 250 fpm	5 in. wide (max), 26.2 sq. in. of area	127 mm wide (max), 16,903mm^2	10 in.	254 mm

* TRADELINE models **•** SUPER TRADELINE models

Sail Switch Accessories

Product Number	Description)	Used With
S688A1007	Sail assembly for S688A	S688A