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Sail Switch with 5 in. wide sail, Unit

**Product Info**

## Literature

**Overview**

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.

**Features**

- 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.

**Product Specifications**

Application	Air Flow Switch
Dimensions (in.)	2 15/16 in. high x 3 3/4 in. wide x 2 in. deep; Sail Dimensions --6 in. wide (max), 26.2 sq. in. of area
Dimensions (mm)	59 mm high x 95 mm wide x 51 mm deep; Sail Dimensions --127 mm wide (max), 16,903 mm <sup>2</sup>
Mounting	N/S
Approvals, 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.
Approvals, Canadian Standards Association	Certified
Insertion Length (in.)	10 in.
Insertion Length (mm)	254 mm
Ambient Temperature Range (F)	At switches: 125 F Maximum; At sail: 170 F Maximum
Ambient Temperature Range (C)	At switches: 52C Maximum; At sail: 77 C Maximum
Switching	SPDT
Programmability	N/S
Contact Ratings (AFL)	N.O.Contacts: 2.0 A @ 24 Vac, 120 Vac; N.O.Contacts: 1.0 A @ 240 Vac; N.C.Contacts: 1.0 A @ 24 Vac, 120 Vac; N.C.Contacts: 0.5 A @ 240 Vac
Contact Ratings (ALR)	N.O.Contacts: 12.0 A @ 24 Vac, 120 Vac; N.O.Contacts: 6.0 A @ 240 Vac; N.C.Contacts: 6.0 A @ 24 Vac, 120 Vac; N.C.Contacts: 3.0 A @ 240 Vac
Contact Ratings (resistive)	N.O.Contacts: 5.0 A @ 24 Vac, 120 Vac; N.O.Contacts: 2.5 A @ 240 Vac; N.C.Contacts: 2.5 A @ 24 Vac, 120 Vac, 240 Vac
Current Draw	N/S
Operating Velocity (fpm)	75 fpm-250 fpm
Operating Velocity (m/s)	0.4 m/s-22.9 m/s
Clock Type	N/S
Operating Mode	N/S
Electrical Ratings, Motor	N/S

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