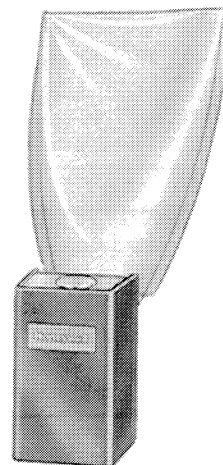


S688A Sail Switch

The Sail Switch activates an electronic air cleaner, a humidifier, or other equipment in response to air flow 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 multispeed fans, inaccessible 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.

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Specifications

MODEL: S688A Sail Switch.

ELECTRICAL RATINGS (Amperes):

	N.O. Contacts			N.C. Contacts		
	24 Vac	120 Vac	240 Vac	24 Vac	120 Vac	240 Vac
Full Load	2.0	2.0	1.0	1.0	1.0	0.5
Locked Rotor	12.0	12.0	6.0	6.0	6.0	3.0
Resistive	5.0	5.0	2.5	2.5	2.5	2.5

SWITCHING ACTION: Spdt snap-acting switch.

SAIL DATA:

Insertion length—10 in. [254 mm].

Maximum width—5 in. [127 mm].

Approximate area—26.2 in.² [1690 mm²].

Material—polyester film sealed on music wire frame.

MINIMUM AIR FLOW:

N.O. Contacts:

Makes—250 fpm.

Breaks—75 fpm.

N.C. Contacts:

Makes—75 fpm.

Breaks—250 fpm.

MAXIMUM AMBIENT TEMPERATURES:

125° F [52° C] at switches.

170° F [77° C] at sail.

CASE DIMENSIONS: 2-5/16 in. [59 mm] high, 3-3/4 in. [95 mm] wide, 2-1/8 in. [54 mm] deep.

DUCT MOUNTING HOLE DIMENSIONS: 1-1/2 in. [38 mm] by 2-1/4 in. [57 mm].

MOUNTING MEANS: Switch mounts on return air duct with two sheet metal screws. An adhesive backed mounting template is provided. Sail is inserted into duct through 1-1/2 in. [38 mm] by 2-1/4 in. [57 mm] hole.

MOUNTING POSITION: Mounts in vertical (up or down) or horizontal air flow.

WIRING KNOCKOUTS: 1/2 in. conduit knockout in either end of case.

FINISH: Zinc plated case and cover.

REPLACEMENT PARTS: Part no. 123773A Replacement Sail.

UNDERWRITERS' LABORATORIES, INCL 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.

Installation

WHEN INSTALLING THIS PRODUCT...

1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
2. Check the ratings given in the instructions and on the product to make sure the product is suitable for your application.
3. Installer must be a trained, experienced service technician.
4. After installation is complete, check out product operation as provided in these instructions.



CAUTION

Disconnect power supply before beginning installation to prevent electrical shock or equipment damage.

LOCATION

Locate the sail switch in the return air duct where the sail will be in the direct path of an unrestricted air stream. Maximum ambient temperature at the switch is 125° F [52° C] and at the sail is 170° F [77° C]. The air duct at the

Ordering Information

When purchasing replacement and modernization products from your TRADELINE® wholesaler or your distributor, refer to the TRADELINE Catalog or price sheets for complete ordering number, or specify—

1. Order number, TRADELINE, if desired.

If you have additional questions, need further information, or would like to comment on our products or services, please write or phone:

1. Your local Honeywell Residential Sales Office (check white pages of phone directory).
2. Residential Division Customer Satisfaction
Honeywell Inc., 1885 Douglas Drive North
Minneapolis, Minnesota 55422-4386 (612) 542-7500

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