

S688 Sail Switch

Used in forced air systems to activate electronic air cleaners, humidifiers or other auxiliary equipment in response to airflow from system fan.

- Used in electric systems to prove minimum airflow.
- Allows auxiliary equipment, such as humidifiers, duct heaters or damper motors to be wired independently of blower motor.
- Senses vertical or horizontal airflow with appropriate selection of bias spring.
- Consists of polyester film sail mounted on an spdt, Micro Switch snap-acting switch.



APPROVALS:

Underwriters Laboratories Inc. Listed.
Canadian Standards Association Certified.

ELECTRICAL RATINGS:

Contacts (A):

	N.O. Contacts ^a			N.C. Contacts ^a		
	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

^a Pilot duty ratings.

REPLACEMENT PART:
123773A Sail Assembly.



DIMENSIONS; APPROXIMATE:

Sail Insertion Length: 10 in. (254 mm).
Sail Maximum Width: 5 in. (127 mm).
Sail Area: 26.2 sq. in. (16,903 mm²).

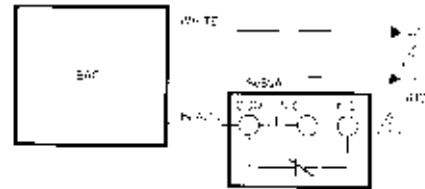
DIMENSIONS; APPROXIMATE:

Case: 2⁵/₁₆ in. (59 mm) high, 3³/₄ in. (95 mm) wide, 2¹/₂ in. (54 mm) deep.

TEMPERATURE RATINGS:

Ambient: At Switches: 125 F (52 C).
At Sail: 170 F (77 C).

Typical hookup using S688A to activate an F50A,E Electronic Air Cleaner.



1. POWER SUPPLY MUST BE OVERFUSED PROTECTION AND DISCONNECT MEANS AS REQUIRED.

2. TERMINAL DESIGNATIONS ARE FOR POWER OFF. NO = NORMALLY OPEN, NC = NORMALLY CLOSED, C = COMMON.

Order Number	N.O. Contact	N.C. Contacts
S688A1007	Make at 250 fpm (1.3 m/s); break at 75 fpm (0.4 m/s).	Make at 75 fpm (0.4 m/s); break at 250 fpm (1.3 m/s).