



Freeze Stat

Capillary Mounting Clip

FREEZE STATS

Low Limit Controllers

The FS Series controllers are low limit controllers, also known as "Freeze Stats". These devices were designed for use on HVAC equipment that requires low-temperature cutout protection to prevent cooling coils from freezing. They should be mounted between the heating and cooling coils on the supply side of the fan unit. They respond to the lowest temperature sensed along any 1 foot section of the sensing element. The FS Series has manual and automatic reset versions, as well as models that feature one or two sets of SPDT contacts.

The FS Series are covered by ACI's Two (2) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's web site, www.workaci.com.



SPECIFICATIONS

Sensing Element	Vapor Filled, Copper Capillary Tube
Output	A/FS-1, A/FS-3, A/FS-5 one SPDT Form 1C Relay A/FS-2, A/FS-4, A/FS-6 two SPDT Form 1C Relays
Contact Rating	250 VAC, 15 (8) A
Setpoint Range*	14 to 54°F (-10 to 12°C) Field Adjustable
Switching Differential	1.8°F, Auto or Manual Reset
Setpoint Safety Lock	39°F (Factory Set), Field Adjustable
Housing Rating	NEMA 1 (IP40)
Operating Temperature Range	14 to 54°F (-10 to 12°C)
Operating Humidity Range	0 to 95%, non-condensing
Product Dimensions	3.3" x 4.1" x 2.1"

ORDERING

Please select a Freeze Stat Type, or a set of Capillary Mounting Clips (A).

A Freeze Stat Type

- FS-1** (1 Set) (SPDT Contacts, 20ft Capillary, Manual Reset)
- FS-1A** (1 Set) (SPDT Contacts, 20ft Capillary, Auto Reset)
- FS-2** (2 Sets) (SPDT Contacts, 20ft Capillary, Manual Reset)
- FS-2A** (2 Sets) (SPDT Contacts, 20ft Capillary, Auto Reset)
- FS-3** (1 Set) (SPDT Contacts, 10ft Capillary, Manual Reset)
- FS-3A** (1 Set) (SPDT Contacts, 10ft Capillary, Auto Reset)
- FS-4** (2 Sets) (SPDT Contacts, 10ft Capillary, Manual Reset)
- FS-4A** (2 Sets) (SPDT Contacts, 10ft Capillary, Auto Reset)
- FS-5** (1 Set) (SPDT Contacts, 6ft Capillary, Manual Reset)
- FS-5A** (1 Set) (SPDT Contacts, 6ft Capillary, Auto Reset)
- FS-6** (2 Sets) (SPDT Contacts, 6ft Capillary, Manual Reset)
- FS-6A** (2 Sets) (SPDT Contacts, 6ft Capillary, Auto Reset)
- DBZ-05** (Capillary Mounting Clips (Set of 6))

BUILD PART NUMBER

After completing (A) from the above table, fill in the Part Number Table below. An example part number is offered.

A

EXAMPLE: FS-2A