



FREEZE STATS

Manual & Automatic with Relay(s)

The FS Series 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. Numerous capillary lengths are also available.

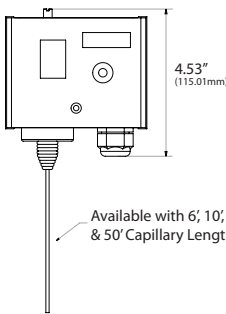
The ACI Freeze Stat is covered by ACI's Two (2) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's website, www.workaci.com.

PRODUCT SPECIFICATIONS

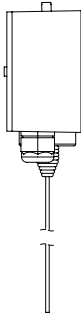
Sensing Element	Vapor Filled, Copper Capillary Tube
Output	FS-1, FS-3, FS-5 one SPDT Form 1C Relay FS-2, FS-4, FS-6, FS-50 two SPDT Form 1C Relays
Contact Rating	250 VAC, 15 (8) A
Setpoint Range	14 to 54°F (-10 to 12°C) Field Adjustable
Switching Differential	1.8°F, Auto or Manual Reset
Setpoint Safety 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
Working Temperature	14°F to 54°F (-10°C to 12°C)
Enclosure Temperature	14°F to 131°F (-10°C to 55°C)
Capillary Overload Temperature	392°F (200°C), max. 60 min.
Product Dimensions	3.3" x 4.1" x 2.1"



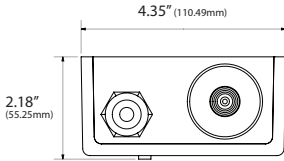
DIMENSIONAL DRAWING



Front View



Right View



Top View

STANDARD ORDERING

Model # Example: FS-50A -OR- 142962

Model #	Item #	Description
FS-50	142963	2 Sets Relays (SPDT) Contacts, 50ft Capillary, Manual Reset
FS-50A	142962	2 Sets Relays (SPDT) Contacts, 50ft Capillary, Auto Reset
FS-1	1102482	1 Set Relays (SPDT) Contacts, 20ft Capillary, Manual Reset
FS-1A	102483	1 Set Relays (SPDT) Contacts, 20ft Capillary, Auto Reset
FS-2	102484	2 Sets Relays (SPDT) Contacts, 20ft Capillary, Manual Reset
FS-2A	105904	2 Sets Relays (SPDT) Contacts, 20ft Capillary, Auto Reset
FS-3	106291	1 Set Relays (SPDT) Contacts, 10ft Capillary, Manual Reset
FS-3A	106292	1 Set Relays (SPDT) Contacts, 10ft Capillary, Auto Reset
FS-4	106293	2 Sets Relays (SPDT) Contacts, 10ft Capillary, Manual Reset
FS-4A	106294	2 Sets Relays (SPDT) Contacts, 10ft Capillary, Auto Reset
FS-5	106295	1 Set Relays (SPDT) Contacts, 6ft Capillary, Manual Reset
FS-5A	106296	1 Set Relays (SPDT) Contacts, 6ft Capillary, Auto Reset
FS-6	106297	2 Sets Relays (SPDT) Contacts, 6ft Capillary, Manual Reset
FS-6A	106298	2 Sets Relays (SPDT) Contacts, 6ft Capillary, Auto Reset
DBZ-05	108759	Capillary Mounting Clips (Set of 6)

