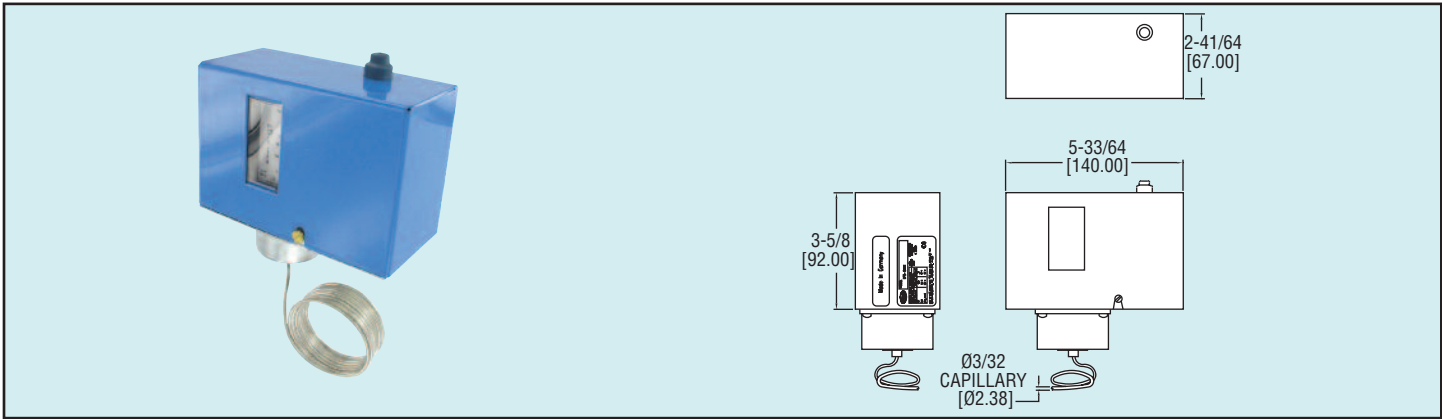




Series  
DFS

# Low Limit Freeze Protection Switch

## Manual and Auto Reset DPDT Output



The Series DFS Low Limit Freeze Protection Switch protects cooling coils in air handler systems by preventing frost build up on the coils. By sensing the lowest temperature along any 1' section of capillary, the DPDT manual or automatic reset relays signal the building management system, as well as cut off the fan. Set points can be adjusted as low as 34°F (1° C) utilizing the visual set point indicator and set point screw. The Series DFS includes mounting clips for easy installation.

Model	Reset Action	Switch Action	Capillary Length
DFS-DM20	Manual	DPDT	20' (609 cm)
DFS-DA20	Automatic	DPDT	20' (609 cm)
DFS-DM10	Manual	DPDT	10' (305 cm)
DFS-DA10	Automatic	DPDT	10' (305 cm)

**ACCESSORIES**

- CC1-N, Averaging Temperature Sensor Clip, Natural
- CC1-B, Averaging Temperature Sensor Clip, Beige
- CC1-GY, Averaging Temperature Sensor Clip, Grey

**SPECIFICATIONS**

- Wetted Material:** Vapor-filled copper capillary, tin-plated, 10' or 20'.
- Housing Material:** Plated steel case, painted steel cover, plastic set point window.
- Temperature Limit:**
  - Operating: -60 to 160°F (-51 to 71°C);
  - Sensing element: 300°F (149°C) max.
- Switch Type:** DPDT snap acting.
- Electrical Ratings:**
  - Inductive: 14 FLA, 84 LRA, 3/4 hp @ 120VAC; 12 FLA, 72 LRA, 2 hp @ 240 VAC.
  - Pilot Duty: 720 VA max @ 120 to 600 VAC; 144 VA max @ 24 VAC.
- Reset Action:** Manual or automatic.
- Adjustable Range:** 34 to 70°F (1 to 21°C).
- Deadband:** 4.5°F (2.5°C), fixed.
- Agency Approvals:** UL, ULc.

TEMPERATURE

Temperature Switches  
Mechanical