THERMOSTATS & CONTROLLERS

LOW-LIMIT TEMPERATURE CONTROL

TSA, TF142



Models TSA and TF142 provide low-limit temperature control in operating dampers, valves, compressors, or fan motors in HVAC systems. Manual and automatic reset models are available with SPDT or DPDT switching action. Models TSA and TF142 respond to the lowest temperature sensed along any 1' (0.3m) section of the capillary element.

FEATURES

- · SPDT and DPDT models
- · Manual and automatic reset models
- · Easy set point adjustment
- · Manual test lever
- · One year warranty



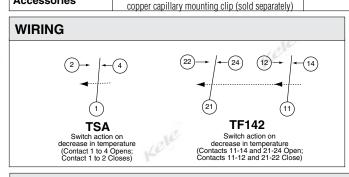


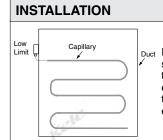
TF142

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70°

SPECIFICATION	NS					
Model	TSA-		TF142-			
	DOP	СОР	SODP06	SODP20	SOAP06	SOAP20
Reset	Manual Automatic		Manual		Automatic	
Setpoint Range	35° to 68°F (2° to 20°C)		34° to 70°F (1° to 21°C)			
Differential	4.5°F (2.5°C) fixed		4.5°F (2.5°C) fixed			
Switch Type	SPDT, snap acting		DPDT, snap acting			
Contact Rating	Inductive 24 FLA, 144 LRA @ 120-240 VAC 2 hp @ 120 VAC; 3 hp @ 240 VAC Pilot duty 720 VA max @ 120-600 VAC 144 VA max @ 24 VAC		Inductive 14 FLA, 84 LRA @ 120 VAC; 12 FLA, 72 LRA @ 240 VAC 3/4 hp @ 120 VAC; 2 hp @ 240 VA Pilot duty 720 VA max @ 120-600 VAC 144 VA max @ 24 VAC			
Sensing Element		Ä	Tin-plated copper capillary tube (vapor filled with R134A)			
Length	20' (609.6 cm)		10' (304.8 cm)	20' (609.6cm)	10' (304.8 cm)	20' (609.6cm)
Diameter	5/64" (0.2 cm)		3/32" (0.24 cm)			
Operating Tem- perature	-60° to 160°F (-51° to 71°C) Sensing Element 300°F (149°C) max		-60° to 160°F (-51° to 71°C) Sensing Element 300°F (149°C) max			
Dimensions	2.94"H x 3.34"W x 1.56"D (7.47 x 8.48 x 3.56 cm)		3.63"H x 5.5"W x 2.63"D (9.21 x 13.97 x 6.67 cm)			
Weight	1 lb (0.45 Kg)		2.8 lb (1.3 Kg)			10
Approvals	CE, UL File # E85974, E300881					1
Warranty	1 year					
Accessories		y mounting clip or M-648-K	Mounting clips supplied with each control			





Duct Install capillary element in a horizontal serpentine pattern across the duct on the downstream side of the coil so it is exposed to areas where low temperatures will occur. Do not kink or apply excessive force to the capillary element.

ORDERING INFORMATION

MODEL
TSA-DOP
Low-limit temperature control, SPDT, manual reset, 20 ft cap
TSA-COP
Low-limit temperature control, SPDT, automatic reset, 20 ft cap
TF142-SODP20
Low-limit temperature control, DPDT, manual reset, 20 ft cap
TF142-SOAP20
Low-limit temperature control, DPDT, automatic reset, 10 ft cap
TF142-SOAP20
Low-limit temperature control, DPDT, automatic reset, 20 ft cap
Low-limit temperature control, DPDT, automatic reset, 10 ft cap

RELATED PRODUCTS

CC-1G-K Plastic capillary and sensor holder mounting clip
ES1051 Freeze spray, 8 fl oz
M-648-K Copper-clad capillary mounting clip

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