



Thermocouple Limit Control
FM Approved Temperature Limit Control

Models Select Chart

Model	Description
TSF-4010	Thermocouple limit control, type J/K/S input, 110 V, °F.
TSF-4011	Thermocouple limit control, type J/K/S input, 110 V, °C.
TSF-4020	Thermocouple limit control, type J/K/S input, 230 V, °F.
TSF-4021	Thermocouple limit control, type J/K/S input, 230 V, °C.
TSF-4030	Thermocouple limit control, type J/K/S input, 12 VAC/VDC, °F.
TSF-4031	Thermocouple limit control, type J/K/S input, 12 VAC/VDC, °C.
TSF-4040	Thermocouple limit control, type J/K/S input, 24 VAC/VDC, °F.
TSF-4041	Thermocouple limit control, type J/K/S input, 24 VAC/VDC, °C.

Accessories

Model	Description
TCS-J	J type thermocouple, 4" probe, 48" extension.
TCS-K	K type thermocouple, 4" probe, 48" extension.
TS2-K	Programming configuration key.

Specifications:-	
Probe Range	: 32 to 999°F (0 to 700°C) for Type J thermocouple; 32 to 999°F (0 to 999°C) for type K or S thermocouples.
Input	: Type J, K or S thermocouple.
Output	: SPDT relay rated 16 A @ 240 VAC resistive.

Horsepower Rating (HP)	:	1 HP.
Control Type	:	ON/OFF; manual/automatic reset.
Power Requirements	:	115 VAC, 230 VAC, 12 VAC/VDC or 24 VAC/VDC (depending on model).
Power Consumption	:	4 VA.
Accuracy	:	±1% FS.
Display	:	3-digit, red, 1/2" (12.7 mm) digits, plus sign.
Resolution	:	1°.
Memory Backup	:	Nonvolatile memory.
Temperature Limits	:	>Ambient: 32 to 150°F (0 to 65°C); Storage: -4 to 176°F (-20 to 80°C).
Weight	:	2.3 oz (65 g).
Front Panel Rating	:	IP64 (NEMA 3R).
Agency Approvals	:	CE, FM, cURus.