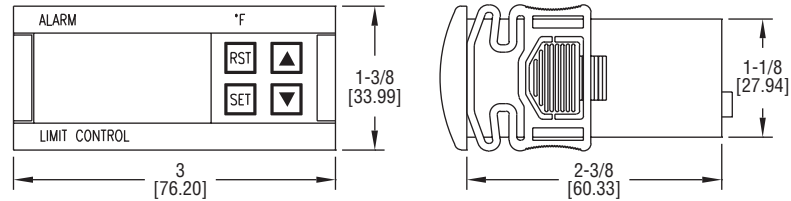


THERMOCOUPLE LIMIT CONTROL

UL Approved Temperature Limit Control



Panel Cutout 2-51/64" x 1-9/64" (71 x 29 mm)

Panel Meters/
Indicators

The **SERIES TSF-DF** Digital Thermocouple Limit Alarm is a UL approved temperature limit control that provides visual alarm status along with a relay output. The Series TSF-DF controls have a built in reset button on the front panel or can accept an external reset signal.

Program settings on model TSF-DF controls cannot be changed through the buttons on the device. It is necessary to purchase a model TSF-MDF and a model TS2-K in addition to the model TSF-DF. Desired program parameters are entered on a TSF-MDF programming control. Using the TS2-K configuration key, the parameters can be easily copied from the TSF-MDF and transferred to the TSF-DF Limit Alarms.

FEATURES/BENEFITS

- UL approved limit control

APPLICATIONS

- Gas fired oven and burner control

MODEL CHART			
Model	Control	Supply Power	Unit
TSF-4010-DF	Limit alarm	115 VAC	°F
TSF-4011-DF	Limit alarm	115 VAC	°C
TSF-4021-DF	Limit alarm	230 VAC	°C
TSF-4040-DF	Limit alarm	24 VAC/VDC	°F
TSF-4010-MDF	Programming control	115 VAC	°F
TSF-4011-MDF	Programming control	115 VAC	°C
TSF-4021-MDF	Programming control	230 VAC	°C
TSF-4040-MDF	Programming control	24 VAC/VDC	°F

SPECIFICATIONS

Probe Range: 32 to 999°F (0 to 700°C) for thermocouple J type; 32 to 999°F (0 to 999°C) for thermocouple K or S type.

Input: Type J, K, or S thermocouple.

Output: NO SPST relay rated 16 A @ 240 VAC resistive.

Horsepower Rating (HP): 1 HP.

Control Type: ON/OFF; manual/automatic reset.

Power Requirements: See model chart.

Power Consumption: 4 VA @ 230 VAC.

Accuracy: ±1% FS.

Display: 3-digit, red, 1/2" (12.7 mm) digits, plus sign.

Resolution: 1°.

Memory Backup: Nonvolatile memory.

Ambient Operating Temperature: 32 to 140°F (0 to 60°C).

Storage Temperature: -4 to 176°F (-20 to 80°C).

Weight: 2.3 oz (65 g).

Front Panel Rating: IP64.

Agency Approvals: CE, cUR, UR (DF models only).

ACCESSORIES

See page reference 1 below.

1 Digital Temperature Switch Probes and Accessories: See page 215 (Series TS-Probes)