SERIES TSF

THERMOCOUPLE LIMIT CONTROL

FM Approved Temperature Limit Control

The Series TSF Thermocouple Limit Control provides audible alarm status along with a relay output. Unit allows the user to easily select automatic or manual reset via a built in reset button on the front panel or an external contact.

FEATURES/BENEFITS
• FM approved temperature limiting control
• Integral and remote reset capabilities

APPLICATIONS
• Gas fired oven and burner control

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.

ACCESSORIES
See page reference below.

SERIES TSF-DF

THERMOCOUPLE LIMIT CONTROL

UL Approved Temperature Limit Control

The Series TSF-DF Thermocouple Limit Control 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

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, FM, cURus (DF models only).

ACCESSORIES
See page reference below.

Digital Temperature Switch Probes and Accessories: See page 131 (Series TS-Probes)