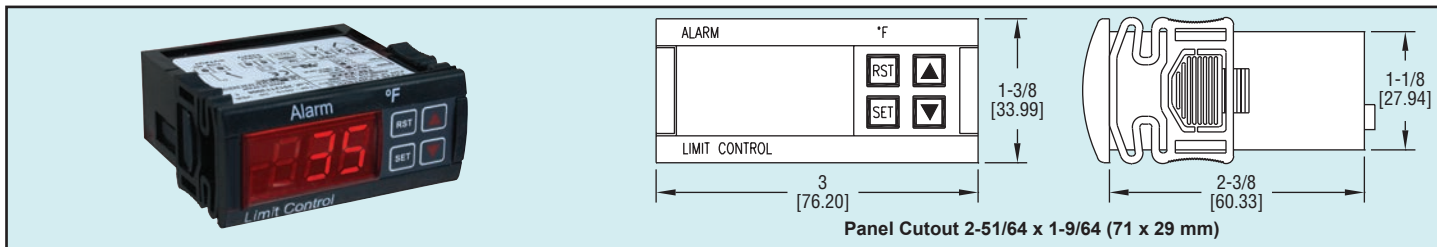




Series  
TSF

# Thermocouple Limit Control

FM Approved High Limit Switch



The **Series TSF Thermocouple FM Approved Limit Control** provides audible alarm status along with a robust 16 amp relay output. Unit allows the user to easily select automatic or manual reset along with 10 other parameters. The TSF series has a built in reset button on the front panel or can accept an external reset.

Model	Supply Power	Unit
TSF-4010	115 VAC	°F
TSF-4011	115 VAC	°C
TSF-4021	230 VAC	°C
TSF-4040	24 VAC/VDC	°F

## ACCESSORIES

**TCS-J**, J type thermocouple, 4" probe, 48" extension

**TCS-K**, K type thermocouple, 4" probe, 48" extension

**TS2-K**, 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 16A @ 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, cUR, UR.