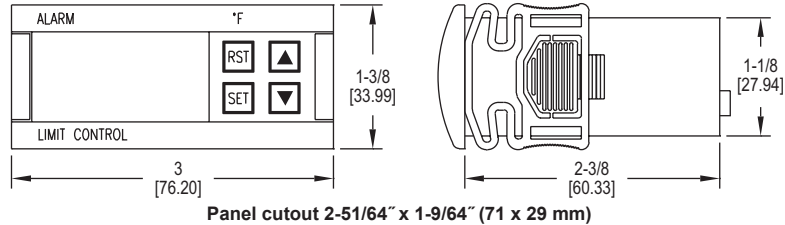


**Dwyer**  
SERIES TSF

# 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

MODEL CHART		
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

See page reference ❶ below.

## 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.