The Series TSR Temperature Switch is designed for cooling regulation in refrigeration units. Control compressor operation and electric defrost or hot gas bypass. Dual probe input permits defrost termination by temperature.

Program 44 different parameters including set point, defrosting cycles, hysteresis, compressor stoppage time, alarms, and digital input. The digital input allows specialized control for door open/door closed conditions. Access to all parameters, except for the set point, are password protected.

View temperature, error messaging, and alarms on the bright red display. Relay and defrost status are indicated on the front panel. The Series TSR includes two probes, gasket, mounting clips, clip on terminal cover, and instruction manual.

**SPECIFICATIONS**
- **Probe Range:** -58 to 302°F (-50 to 150°C).
- **Input:** Two 1.5 in (4 cm) thermistor (1000 Ω @ 25°C) with 5 ft (1.5 m) cable.
- **Output:** One 8 amp SPST relay and one SPDT relay @ 250 VAC, resistive; alarm 20 mA @ 12 VDC.
- **Horsepower Rating (HP):** 1/3 HP for 8 amp.
- **Control Type:** On/Off.
- **Power Requirements:** 8-15 VAC/DC.
- **Accuracy:** ±0.5% of probe ranges.
- **Display:** 3-Digit, red, 1/2˝ digits.
- **Resolution:** 1°.
- **Memory Backup:** Nonvolatile memory.
- **Ambient Operating Temperature:** 32 to 158°F (0 to 70°C).
- **Storage Temperature:** -4 to 176°F (-20 to 80°C).
- **Weight:** 6.2 oz (65 g).
- **Front Panel Protection:** IP64.
- **Agency Approvals:** CE, UR, URc.

**ACCESSORIES**
- TS-5-Probe PVC, 5 ft (1.5 m) cable
- TS-51-Probe PVC, 10 ft (3 m) cable
- TS-6-Probe metal, 5 ft (1.5 m) cable
- TS-61-Probe metal, 10 ft (3 m) cable

**MODELS**

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<td>Dual Probe Input, Dual Relay Output and Alarm (12V, °F).</td>
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<tr>
<td>TSR-1110</td>
<td>Dual Probe Input, Dual Relay Output and Alarm (12V, °C).</td>
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