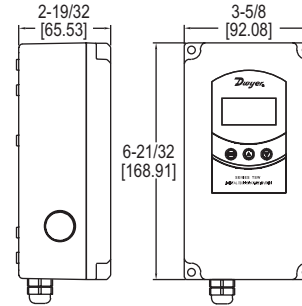


**Dwyer**  
SERIES TSW



# WEATHER PROOF DIGITAL TEMPERATURE SWITCH

NEMA 4X Housing, Single or Dual Stage, 20 A Contact Rating



The **Series TSW Weather Proof Digital Temperature Switch** combines the trusted, reliable TS family of temperature controls and an installation friendly weatherproof enclosure. The bright, easy-to-read LED display shows the current output status and the temperature measurement.

## FEATURES/BENEFITS

- Weatherproof housing
- Single or dual stage models
- Configuration key
- Physical and passcode parameter setting protection

## APPLICATIONS

- Chillers
- Walk in cooler
- Woodboilers
- Brewing systems

## MODEL CHART

Model	Description	Temperature Probe Included	Supply Power
<b>TSW-150</b>	Single stage	TS-8T	90 to 255 VAC
<b>TSW-160</b>	Single stage	TS-8T	12 to 24 VAC/VDC
<b>TSW-250</b>	Dual stage	TS-8T	90 to 255 VAC
<b>TSW-260</b>	Dual stage	TS-8T	12 to 24 VAC/VDC
<b>TSW-150-NP</b>	Single stage	None	90 to 255 VAC
<b>TSW-160-NP</b>	Single stage	None	12 to 24 VAC/VDC
<b>TSW-250-NP</b>	Dual stage	None	90 to 255 VAC 12
<b>TSW-260-NP</b>	Dual stage	None	12 to 24 VAC/VDC

## SPECIFICATIONS

**Probe Range:** PTC: -58 to 302°F (-50 to 150°C); NTC: -58 to 230°F (-50 to 110°C).

**Input:** PTC (1000Ω @ 25°C); NTC (10K Ω @ 25°C).

**Output:** R1 SPDT relay resistive load: 20 A @ 240 VAC; R2 SPDT relay resistive load: 8 A @ 240 VAC; Inductive load: 3 A @ 240 VAC.

**Horsepower Rating:** R1 2HP @ 240 VAC.

**Control Type:** On/off.

**Power Requirements:** 90 to 255 VAC or 12 to 24 VAC/VDC (±10%) depending on model.

**Power Consumption:** 3.6 VA.

**Accuracy:** ±1% FS.

**Display:** 3 digits plus sign.

**Resolution:** Single stage: 1°; Dual stage: 0.1° < 100; 1° ≥ 100°.

**Memory Backup:** Non-volatile memory.

**Ambient Temperature:** 32 to 104°F (0 to 40°C).

**Weight:** 1.2 lb (544 g).

**Enclosure Rating:** NEMA 4X (IP66).

**Agency Approvals:** CE, cURus.

## ACCESSORIES

Model	Description
<b>CC1-N</b>	Temperature sensor clip, neutral
<b>CC1-GY</b>	Temperature sensor clip, grey