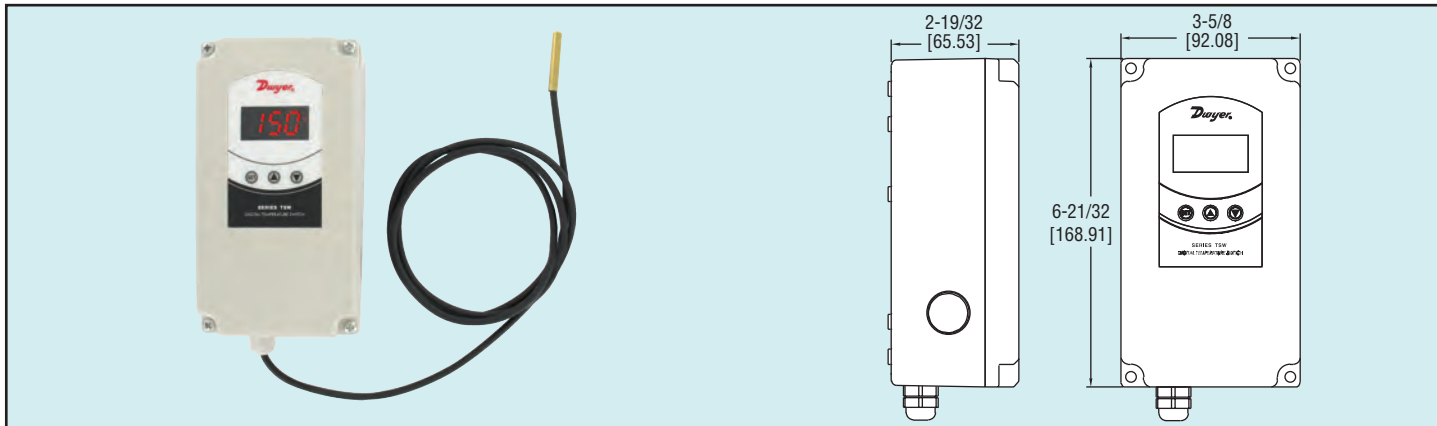




Series  
TSW

# Weather Proof Digital Temperature Switch

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



The Series TSW Digital Temperature Switch combines the trusted, reliable TS family of temperature controls and an installation friendly weatherproof enclosure. By using the same programming parameters as our Series TS2 and Series TSS2, set up can be quickly completed using the front keypad or by using the TS2-K configuration key. In order to prevent tampering from unauthorized users, a parameter lock physical jumper and software passcode security are standard in the unit. The bright, easy-to-read LED display shows the current output status and the temperature measurement.

The multiple conduit knockouts on the Series TSW give flexibility to the installer to determine the best location for the conduit entry. Another installation friendly feature of the Series TSW is the ability to quickly jumper the line voltage to the common of the output relay using fast tabs.

In order to reduce time in selecting models, the Series TSW has universal high and low power supply models and field selectable engineering units. The Series TSW includes one TS-1 PTC thermistor probe.

Model	Description	Supply Power
TSW-150	Single Stage	90 to 255 VAC
TSW-160	Single Stage	12 to 24 VAC/VDC
TSW-250	Dual Stage	90 to 255 VAC
TSW-260	Dual Stage	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 (10KΩ @ 25°C).

**Output:** R1 SPDT relay resistive load: 20A @ 240 VAC; R2 SPDT relay resistive load: 8A @ 240 VAC; Inductive load: 3A @ 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:** 3.6VA.

**Accuracy:** ±1% FS.

**Display:** 3 digits plus sign.

**Resolution:** 0.1° < 100°; 1° ≥ 100°.

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

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

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

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

**Agency Approvals:** CE, cUR, UR.

## ACCESSORIES

**CC1-N,** Averaging Temperature Sensor Clip, Natural

**CC1-B,** Averaging Temperature Sensor Clip, Beige

**CC1-GY,** Averaging Temperature Sensor Clip, Grey

## Contact:

Industrial Process Measurement, Inc.  
3910 Park Avenue, Unit 7  
Edison, NJ 08820  
732-632-6400  
support@instrumentation2000.com  
<http://www.instrumentation2000.com>