



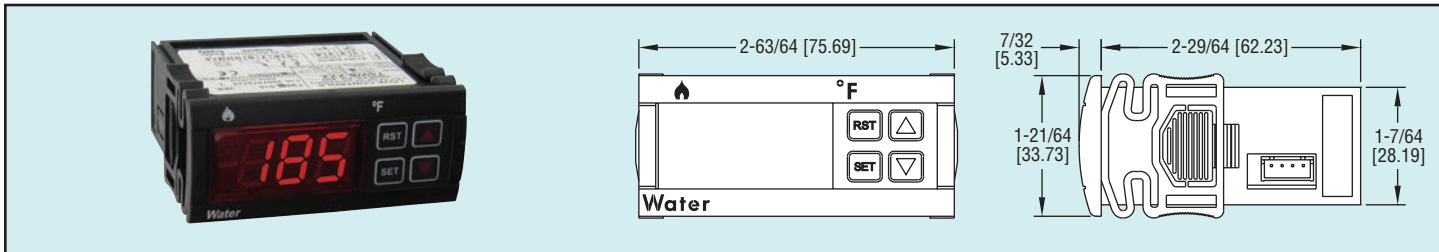
Series  
TSWB

# Digital Temperature/Water Level Switch

Two Temperature Set Points, Low Water Level Alarm



TEMPERATURE



The Series TSWB Digital Temperature Switch has a high and a low set point for controlling the water temperature. The low set point can either be manually or automatically reset. This control also has a conductivity probe input. This input supplies 12 VAC to the conductivity probe to check for low water condition. There are three relay outputs which can be assigned in the field to the high temperature set point, low temperature set point or the low water level input. The Model TS2-K configuration key can make configuring multiple controls quick and easy.

## ACCESSORIES

See page reference **1** below.

Model	Supply Power	Unit
TSWB-010	115 VAC	°F
TSWB-011	115 VAC	°C

## SPECIFICATIONS

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

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

**Probe Level Input:** Conductivity probe: Max voltage 12 VAC. Sensitivity established from factory at 100KΩ.

### Output:

- R1 SPST NO relay resistive load 5A @ 250 VAC;
- R2 SPST NC relay resistive load 5A @ 250 VAC;
- R3 SPDT relay resistive load 16A @ 240 VAC.

**Horsepower Rating:** 1HP – 10FLA, 60LRA 250 VAC.

**Control Type:** On/off.

**Power Requirements:** 115 VAC ± 10%, 230 VAC ± 10%, 24 VAC/DC ± 10%, 12 VAC/DC ± 10%.

**Power Consumption:** 4VA (230V/115V), 1.5VA (24V/12V).

**Accuracy:** Better than 1% of full-scale.

**Display:** 3-digit, red 1/2" digits.

**Resolution:** 1° (3 digits).

**Memory Backup:** Nonvolatile memory.

**Ambient Operating Temperature:** 32 to 158°F (-30 to 70°C).

**Storage Temperature:** -4 to 176°F (-30 to 80°C).

**Weight:** 3.5 oz.

**Front Protection:** IP64.

**Agency Approvals:** CE, cUL, UL.

Temperature Switches,  
Digital

**1** Digital Temperature Switch Probes and Accessories: See page 258 (Series TS-Probes)