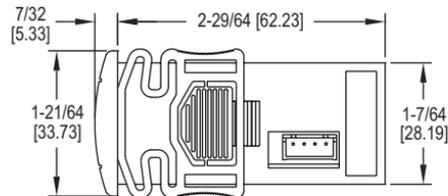
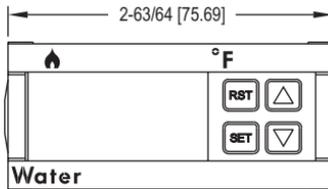


# DIGITAL TEMPERATURE/WATER LEVEL SWITCH

Two Temperature Set Points, Low Water Level Alarm



The **SERIES TSWB** Digital Temperature Switch offers complete boiler control for outdoor wood boilers and other similar heating equipment.

**FEATURES/BENEFITS**

- 3 outputs for high temp, low temp or input alarm
- Conductivity probe input for water level monitoring
- Configuration key

**APPLICATIONS**

- Wood or pellet boilers

MODEL CHART		
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 5 A @ 250 VAC; R2 SPST NC relay resistive load 5 A @ 250 VAC; R3 SPDT relay resistive load 16 A @ 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:** > 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, cULus.

**ACCESSORIES**

See page reference 1 below.

1 Digital Temperature Switch Probes and Accessories: See page 138 (Series TS-Probes)