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

SPECIFICATIONS
Probe Range: PTC: -58 to 302°F (-50 to 150°C); NTC: -58 to 230°F (-50 to 110°C).
Input: PTC (1000 Ω @ 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
See page reference below.

SERIES TSWB
DIGITAL TEMPERATURE/WATER LEVEL SWITCH
Two Temperature Set Points, Low Water Level Alarm

The Series TSWB Digital Temperature/Water Level 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

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,
60IRA 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, cURus.

ACCESSORIES
See page reference below.

DIGITAL TEMPERATURE/WATER LEVEL SWITCH
Two Temperature Set Points, Low Water Level Alarm

SPECIFICATIONS
Probe Range: PTC: -58 to 302°F (-50 to 150°C); NTC: -58 to 230°F (-50 to 110°C).
Input: PTC (1000 Ω @ 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.