The Model TLVT1 Digital Touch Screen Programmable Thermostat with Heat Pump Control simplifies controlling indoor temperatures in commercial and residential buildings. A large easy to read LCD display shows the current temperature, set point, as well as time and day of the week. By touching the icons on the display, building occupants can temporarily change the set point, edit the weekly program, or select the control mode. For larger offices or homes, a single thermostat can control up to two heating and two cooling units. For Heat pump applications, the thermostat can control a two stage compressor. To make programming the time easier, there is a daylight savings time function that will automatically change the time based on the US time change dates. To prevent tampering, the Model TLVT1 has a security code feature that can lock out the programming. For additional energy savings, the filter, UV and energy usage timers tracks the number of hours the fan, heater/cooler, and thermostat is powered on. Additional energy savings can be achieved by programming the thermostat for up to 4 temperature events for each day of the week.

**SPECIFICATIONS**

**Range:**
- Measurement: 32 to 99°F (0 to 40°C);
- Adjustment: 41 to 95 °F (5 to 35 °C).

**Accuracy:** ±1°F (0.5°C).

**Sensor Type:** NTC thermistor.

**Resolution:** 1°F (0.5°C).

**Power Requirements:**
- 24 VAC 50/60 Hz or (2) AA alkaline batteries, not included.
- Output: 1 A @ 24 VAC 50/60 Hz.

**Temperature Limits:**
- Operating: 32 to 122°F (0 to 50°C);
- Storage: 23 to 122°F (-5 to 50°C).

**Weight:** 10 oz (283.5 g).

**Agency Approval:** RoHS.

Model TLVT1, LCD Touch Screen Programmable Thermostat

---

**Model 862E, Explosion-Proof, Heavy-Duty Thermostat**

Explosion-proof, heavy duty, the Model 862E Thermostat is designed for hazardous-location temperature control. It is the most dependable, smallest, lightest and most durable thermostat available. The 862E is designed to control heating, cooling, or ventilation systems and features an adjustable set point knob for easy and convenient setpoint adjustment. The thermostat incorporates reliable snap action switch operation in SPDT configuration rated to 480 VAC max.

**APPLICATIONS**

Oil refineries, petrochemical plants, pulp and paper mills, coal mines, grain elevators, hazardous waste water storage facilities, other hazardous locations where specific explosive gases or dusts are present.

Model 862E, Explosion-Proof, Heavy-Duty Thermostat

**SPECIFICATIONS**

**Service:** Compatible gases.

**Temperature Limit:** -49 to 176°F (-45 to 80°C).

**Enclosure Rating:** Explosion-proof NEMA 7 & 9, Class I, Divisions 1 & 2, Groups C & D; Class II, Division 1, Groups E, F & G; Class II, Division 2, Groups F & G; Class III; Class I, Zones 1 & 2, Groups IA & IIB.

**Switch Type:** SPDT snap action switch.

**Electrical Rating:** 22 A @ 480 VAC (res.), 1/2 HP @ 125 VAC, 1 HP @ 250 VAC.

**Electrical Connection:** Screw terminal.

**Conduit Connection:** 3/4” female NPT.

**Set Point Adjustment:** External knob.

**Adjustable Range:** 36 to 82°F (2 to 28°C).

**Deadband:** 2.5°F (1.5°C).

**Weight:** 2.1 lb (0.95 kg).

**Approval:** CSA, UL.