

SH-5080T Digital Temperature Controller with Tuya

Applications:

1. Industrial Refrigeration: Ideal for temperature-sensitive systems such as cold storage and freezer units.
2. Greenhouses: Maintain optimal temperature levels for plant growth and environmental control.
3. Aquarium Systems: Regulate temperature for aquatic environments to ensure the health of marine life.
4. Incubators: Ensure consistent temperature for egg hatching or breeding conditions.
5. HVAC Systems: Control both heating and cooling systems in residential or commercial buildings.
6. Food and Beverage Industry: Control the temperature of sensitive products to maintain quality and safety.

Features:

1. Dual Relay Outputs for Heating and Cooling Systems: Independent control of heating and cooling systems for environments requiring dual-mode temperature management. Provides precise regulation for both temperature increase and decrease applications.
2. Wide Temperature Control Range: Temperature Range: -50°C to 100°C (-58°F to 212°F). The SH-5080T is highly versatile, ensuring reliable temperature control in a broad range of conditions, suitable for various applications.
3. High-Resolution Digital Display: Clear LED display for accurate and easily readable temperature monitoring. Real-time temperature updates enhance user control and make adjustments more efficient.
4. Comprehensive Safety Features: Overload protection to safeguard your system against potential electrical hazards. High/low temperature alarms to notify users immediately if the temperature exceeds preset limits. Compressor delay protection to prevent compressor damage from excessive start/stop cycles, improving longevity.
5. Energy-Efficient and Durable Design: Built with energy-saving features to reduce operational costs. Constructed from high-quality, flame-retardant ABS material for enhanced durability and safety in demanding environments.

Specifications:

1. Temperature Control Range: -50°C to 100°C (-58°F to 212°F)
2. Control Accuracy: $\pm 1^{\circ}\text{C}$
3. Sensor Type: NTC Thermistor
4. Power Supply: AC 110V/220V

5. Relay Output Capacity: 10A/220V AC
6. Display Type: LED Display
7. Material: Flame-Retardant ABS
8. Dimensions: 75mm x 34.5mm x 85mm
9. Wi-Fi function for remote check and control via the Tuya app.