



Product Information Sheet

WPDT Wireless Programmable 7 Day Digital Thermostat.

General Description:

The WPDT series thermostat is a wireless thermostat and controller that can be placed in anywhere at your home to control your heating and cooling system. It provides automatic time and temperature control of heating or cooling systems in apartments. The thermostat pack consists of a room unit and a relay box. No wiring to the room unit is required. The installer only needs to wire the relay box to the controlled device (e.g. electric heater) and mount the room unit in a suitable location where RF communication is reliable. The WPDT thermostat uses reliable RF communication technology in the 433MHz band.

Features:

- Transmits up to 30 metres through walls and floors.
- Works with Heat Pump, Gas, Oil, Heat Cool, Electric Heat.
- Programming is retained in memory even if the batteries are removed.
- A dynamic symbol display on the LCD that gives enhanced feedback to the user / installer.
- Displays either Centigrade or Fahrenheit.
- Wireless thermostat/controller battery life is approximately 6-12 months with normal use.
- Rechargeable LI-ion Battery via USB
- Communicates at 433 MHz for interference free operation.
- Programmable up to 4 periods daily, which can be customized for each day of the week.
- Programmable fan control to operate the fan for a preset period of time each hour for air circulation.
- LCD Backlighting to illuminate the display for easier viewing in low light condition.
- Backlit display for easy night time viewing (automatically turns off after non-use).
- Install yourself if you are familiar with installing a standard HVAC thermostat.
- Fail-safe mode for communication loss.
- Low battery indicator.

Specifications:

Power Supply: 24Vac 10 %, 50/60Hz
 Temperature Range 5~35 °C adjustable
 Operating Humidity: 5~90 %
 Operating Temperature: 0~45 °C
 Output Rating: 18-30 V ac, 0.8A run, 5A inrush.
 RF binding method: Factory pre-bound with the room unit.

Switch Type: SPST
 Switching Differential Approx. 1 °C
 Dimension: 140x94x28.5mm H x W x D
 Storage Temperature: -20~55.
 RF operation band: ISM (433) MHz, 1% duty cycle.
 RF communication range: 30 metres in a residential building environment.