



TQ1 Smart Thermostat

White: TQ1-WH-L04

Black: TQ1-BL-L04



Zero degrees of difficulty

Description

The TQ1 Smart Thermostat is the easiest to use connected thermostat. It connects directly with your smart-speaker allowing local and remote control via your existing smart-home app. Use of the Matter IoT protocol means you are never locked-in to a single App, simply change your smart-speaker to change your smart-home.

System compatibility

- Conventional: Up to 2 heat, 2 cool
- Heat pump: Up to 3 heat, 2 cool
- PTAC: Conventional or Heat pump
- Fan coil: Binary output 2-pipe or 4-pipe
- Power: C-wire or LUX Power Bridge (sold separately)
- Additional compatibility
 - Millivolt heating
- Not compatible with 120V/240V line voltage systems

Features

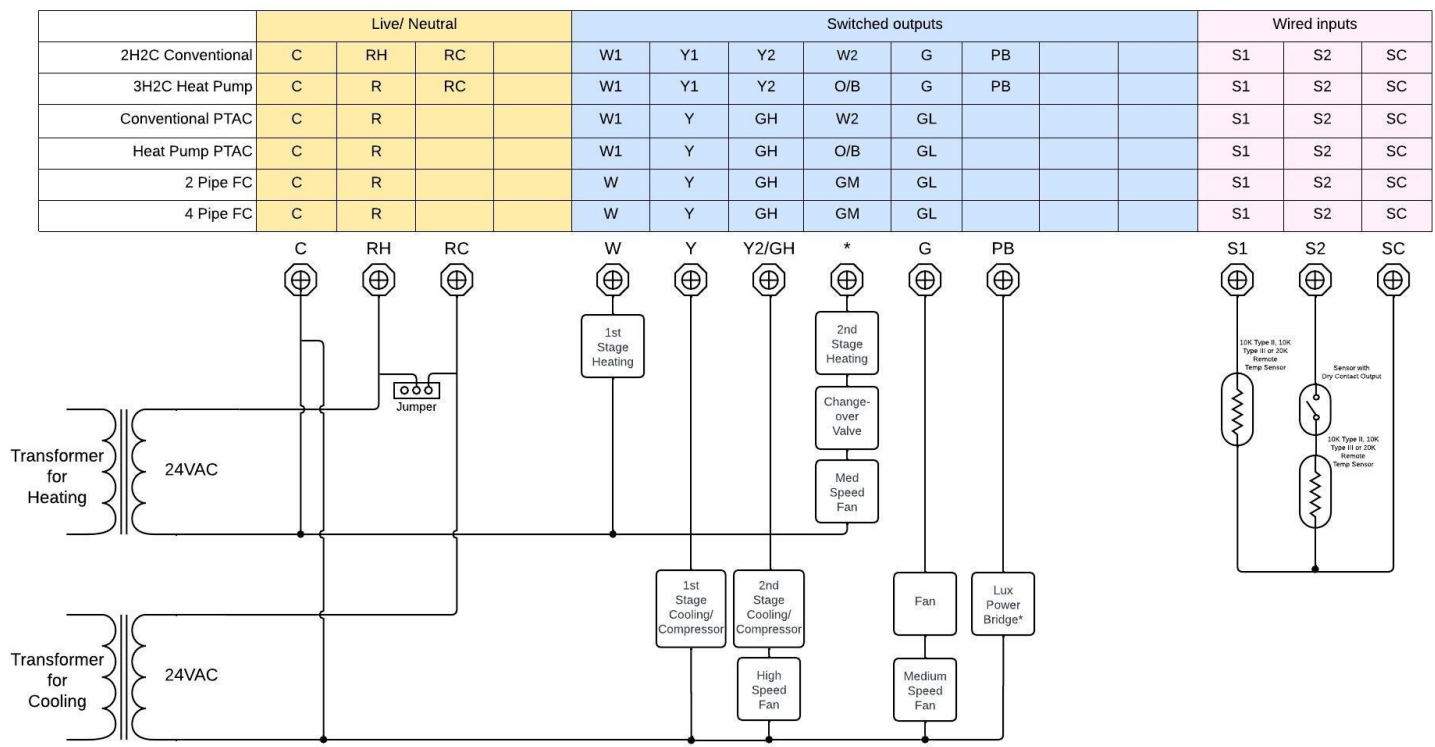
- All system configuration done at device, no app required
- Locally stored 7 day heat and cool schedule
- System learning with early recovery
- Estimated time to reach set-temperature
- Graphical indicator for amount of heating/cooling required
- Circulator fan timer
- Fan filter life-time and energy use monitor
- Keypad lock-out with numeric PIN code
- User settable display brightness and night-mode
- Installer settable stage 1 swing and multi-stage offset



SPECIFICATIONS

Dimensions	H: 3.5" (90mm), W: 3.5" (90mm), D: 1.1" (28 mm)
Sensors	Temperature $\pm 1^{\circ}\text{F}$ (0.5°C) display resolution
Wired remote sensor compatibility	Temperature: 10K NTC (Type II or III), 20K NTC Occupancy: NO or NC type
Display	2.4" IPS display (320 x 240 resolution)
Electrical Ratings	Power source: 19-30 VAC @50/60Hz, 40 VA, Class 2 or SELV Output Rating: 1.0A resistive load per terminal, 5.0A resistive load combined total Wire: Solid 18-22AWG, Stranded 20-22 AWG
Power consumption	120mA at 24VAC
Temperature Range	Storage Range: -4°F to 140°F (-20°C to 60°C) Operating Range: 14°F to 122°F (-10°C to 50°C) Display Range: 32°F to 104°F (0°C to 40°C) Heat Set Range: 45°F to 90°F (7°C to 32°C) Cool Set Range: 60°F to 80°F (15.5°C to 26.5°C)
Environmental Limits	Moisture and Dust: IP20 Humidity: 20% to 95% non-condensing
Certifications	WIFI 802.11 B/G/N-compliant (2.4GHz) Bluetooth 5 Matter 1.4 certified FCC
Packaging	Included: Mounting hardware, wire label, instructions Master Carton: 4 Units

Terminal assignment and wiring



* The Lux Power Bridge (“LPB”) is a c-wire replacement system. It requires installation of the LPB at the furnace. The LPB combines the Y and G terminals, ‘creating’ a spare conductor to be used for the c-wire.

Compatible accessories sold separately

White trim plate
[H: 4.7” (120mm) W: 5.9” (150mm)]
TQ-TRIM-WH

Black trim plate
[H: 4.7” (120mm) W: 5.9” (150mm)]
TQ-TRIM-BL

Lux Power Bridge
LPB-WH-005