

Z-Wave Communicating Thermostat

- NEW Battery Powered Design – No ‘C’ Wire Required
- Runs on 2 or 4 – AA Cells OR Standard HVAC 24VAC
- Extremely Long Life – 2 Years on 4 – AA Alkaline
- Front Loading Battery Compartment
- Z-Wave Compatible – Version 4.5.4
- Supports Z-Wave FLIRS Functionality
- USB Firmware Upgradeability
- Standard or Heat Pump HVAC Systems
- Fixed Format Display with 7 Letter Message Bar
- Remote Control of All Thermostat Functions
- Wall mount or mounts on single-gang junction box

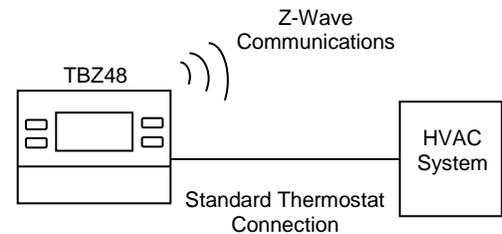


Overview

The TBZ48 is a battery powered Z-Wave wireless digital thermostat, designed to control the majority of HVAC systems. The TBZ48 contains a robust thermostat interface and is designed for use with communicating systems where remote monitoring and/or remote control are desired.

Thermostat Features

- Fixed Format Display with white backlight
- Heating and Cooling Setpoint display option
- System Mode (Off, Heat, Cool, Auto, E-Heat)
- Fan Mode display and control (Auto, On)
- On-screen setup of HVAC Type, Fan Type, Changeover type for HP systems, F/C mode and sensor calibration



Technical Specifications

HVAC System Compatibility

- Battery or 24V AC powered – Compatible with vast majority of Central HVAC systems
- Central HVAC systems or separate heating/cooling systems with separate RH/RC transformers (split)
- Standard gas/electric HVAC Systems: 2-stage heating, 2-stage cooling
- Heat Pump HVAC Systems: 3-stage heating, 2-stage cooling
- Fan system: Selectable for gas or electric heat systems.
- Heat Pump Change Over valve (reversing valve): Selectable for change over with heat or change over with cool (O or B output)
- Emergency Heat: In Heat pump mode, Emergency Heat mode is selectable from the thermostat
- Compressor short cycle protection delay of 5 minutes (adjustable)
- Automatic heating and cooling changeover when in Auto Mode

Wiring Requirements

- Uses standard thermostat connections (C, RC, RH, W1,W2/O, Y1, Y2, G) - 18 AWG

Power Requirements

- Battery or 24VAC Powered: 2 – AA or 4 – AA cells
- **Note: 24V operation requires both 24VAC (R) and 24VAC common (C) wires from the HVAC System**

Compliance

- United States: FCC Compliant to CFR47, Part 15B
- Canada: Industry Canada RSS 210, Issue 8

Dimensions

- 5³/₄" x 4¹/₂" x 1"

Model Number

- TBZ48 Battery Powered Z-Wave Thermostat – BatStat PN: 001-02071