

# ZIGBEE THERMOSTAT Operational Description

The Zigbee Thermostat is a thermostat controller which can also be connected to a ZIGBEE network for remote control. The Zigbee Thermostat receives power either from 4 onboard AA batteries or from the 24VAC power supply from the HVAC equipment. All communication is done through the embedded Zigbee radio. Communication is by Zigbee spread spectrum.

The thermostat is operated from several buttons on the front face of the device.

The antenna used on the APPLIANCE MODULE is a trace antenna.

- RF data rate: 250 Kbps
- Interface data rate: Up to 115.2 Kbps
- Operating frequency: 2.4 GHz
- Receiver sensitivity: -92 dBm
- DSSS (Direct Sequence Spread Spectrum)
- Operating Frequency: ISM 2.4 GHz