

EcoProbe Terminal Receiver

REOTEMP's Terminal Receiver is used to receive data packets from wireless temperature probes (EcoProbes) located in the field. Typically the receiver is mounted to an external wall of the control room building. The Terminal Receiver is hardwired to the facility operator's computer or into the PLC.



Specifications:

- Physical Data/dimensions:** 4.5" W x 10.5" H x 5.5" D WT <2.5lbs.
Fiber reinforced Glass plastic composite, UV hard.
- Power Supply:** 7-32 VDC - provided through DeviceNet network;
0.07A consumption per terminal node.
- RF Sensitivity:** -96 dBm @ 902-928 MHz.
- Inputs:** RF only from EcoProbe temperature probes.
Up to 60 probes (120 temperatures) maximum per terminal transceiver. Up to 12 terminal receiver on DeviceNet.
- Antenna Connection:** TNC female bulkhead connector on enclosure.
- Antenna:** 3dB Gain Omnidirectional: 902-928 MHz (standard).
- Output:** Option #1 - Windows based software for a PC.
Option #2 - DeviceNet: Two (2) 16-bit words which contain two (2) 10 bit integers for each temperature datum. (Integer = 0 to 85.0 C);
Battery status; Probe I.D.; RF link status.
Option #3 - Modbus: Call for specifications.
- Polling Response Time:** DeviceNet: 5 ms
- Error Correction:** Proprietary coding scheme. Multi-level error checking with retries.