

## EcoProbe Receiver

REOTEMP's 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 building. The Receiver is either hardwired into your PLC or wirelessly transmits data to your personal computer.



### 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 PLC network;  
0.07A consumption per terminal node.

**RF Sensitivity:** -96 dBm @ 902-928 MHz.

**Inputs:** RF only from EcoProbe temperature probes.  
Up to 200 probes (400 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 - PLC: Modbus, DeviceNet, or Ethernet/IP. Call for others.  
Option #2 - Windows based software for a PC.

**Polling Response Time:** DeviceNet: 5 ms

**Error Correction:** Proprietary coding scheme. Multi-level error checking with retries.