433 MHz RFID RECEIVER

OS-TRES433
The OS-TRES433 is a revolutionary new product utilizing the 433 MHz frequency to accomplish AVI (Automated Vehicle Identification), Personnel or Asset Tracking and Perimeter Security functionality with unparalleled read range and flexibility. The tres433 Receivers are equipped with an internal etched antenna and enclosed in a NEMA rated box, both standard features! For lane control applications, a circular polarized directional antenna is an available option. Multiple data output options include: Serial, TCP/IP, and Wiegand for integration with most any controller on the market.

PROTECTING YOUR INVESTMENT
The OS-TRES-(CS and-MM) versions have a replaceable battery which allows the user to enjoy a declining per year tag cost by simply following the warranty instructions for battery replacement, thereby renewing the tag warranty in three year increments.

FEATURES
- Up to 45’ Read Range with Internal Etched Antenna
- Longer Range and Lane Control Options available
- Auto Tune (Tag or Programmed) Range discrimination
- FSK Modulation For Faster and More Consistent Response
- RSS (Relative Signal Strength) Output to Controller
- Receiver Reports Low Battery Condition to Controller
- Single or Multiple Tag Read Output Configurable
- Configurable via USB Port
- Power, Transmit and Receive LEDs – Piezo On/Off Control
- IP67 NEMA Enclosure

SPECIFICATION
- Operating Frequency: 433.92 MHz
- RF Input: Internal etched/External antenna opt.
- Sensitivity: -95 dBm MAX
- Bandwidth: 541 kHz
- Operational Temp.: -40°F to +158°F
- Enclosure Size: 4.75” x 4.75” x 3.125”
- Enclosure Rating: IP67
- Weight: 13 oz
- Supply Voltage: +8 to +24 vdc
- Power Consumption: (100 ma at 12 vdc)
- Read Range: 6 ft < 600+ ft dependant on antenna selection and environmental conditions
- Output Options: USB 1.0/2.0; Serial RS-232/485; Wiegand 26/32; Ethernet TCP/IP

TRES433 LAYOUT / TERMINAL IDENTIFICATION

ORDERING INFORMATION
OS-TRES-RW  Receiver -Wiegand output - UL294 pending - RoHS compliant, includes integrated antenna and NEMA Housing
OS-TRES-RE  Receiver -Ethernet Communication - UL294 pending - RoHS compliant, includes integrated antenna and NEMA Housing
OS-TRES-RS  Receiver -Serial Communication - UL294 pending - RoHS compliant, includes integrated antenna and NEMA Housing

www.ossi-usa.com  888-488-2623