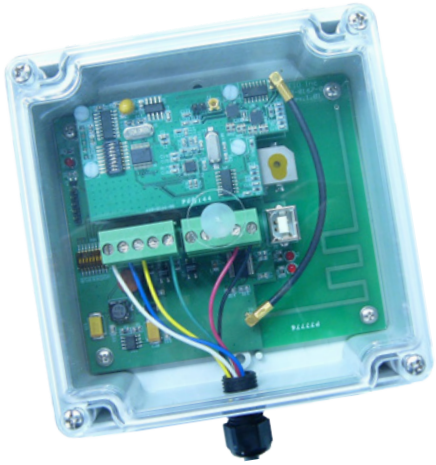
433 MHz RFID RECEIVER



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 funcionality 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 circuar 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.

FEATURES

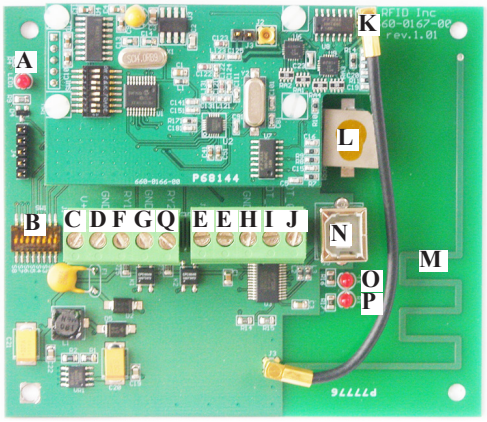
- Up to 45' Read Range with Internal Etched Antenna
- Longer Range and Lane Control Options available
- Auto Tune (Tag or Programmed) Range discrimination
- FSK Modulation For Faster and More Consistent Response
- RSS (Relative Signal Strength) Output to Controller
- Receiver Reports Low Battery Condition 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

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.

SPECIFICATION

Operating Frequency	433.92 MHz
RF Input	Internal etched/ External antenna opt.
Sensitivity	-95 dBm MAX
Bandwith	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

A	Power LED	E	Future Not Used	L	Beeper
B	Dip Switch	F	Relay NO	M	Internal Antenna
	1 = Auto Tune	G	Relay Pole	N	USB Port
	2 = Beeper	H	Wiegand Gnd	O	TX LED
	3-8 = Future	I	Wiegand Data 1	P	RX LED
C	Power V+	J	Wiegand Data 0	Q	Loop Detector
D	Power GND	K	Antenna Connector		

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**