tres433

433 MHz Active Tag RFID | Reader/Receiver

tres433, Inc 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 (commonly but mistakenly called Readers) 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 Wiegand, Serial and TCP/IP for integration with most any controller on the market. The tres active tags (CS and MM) 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.
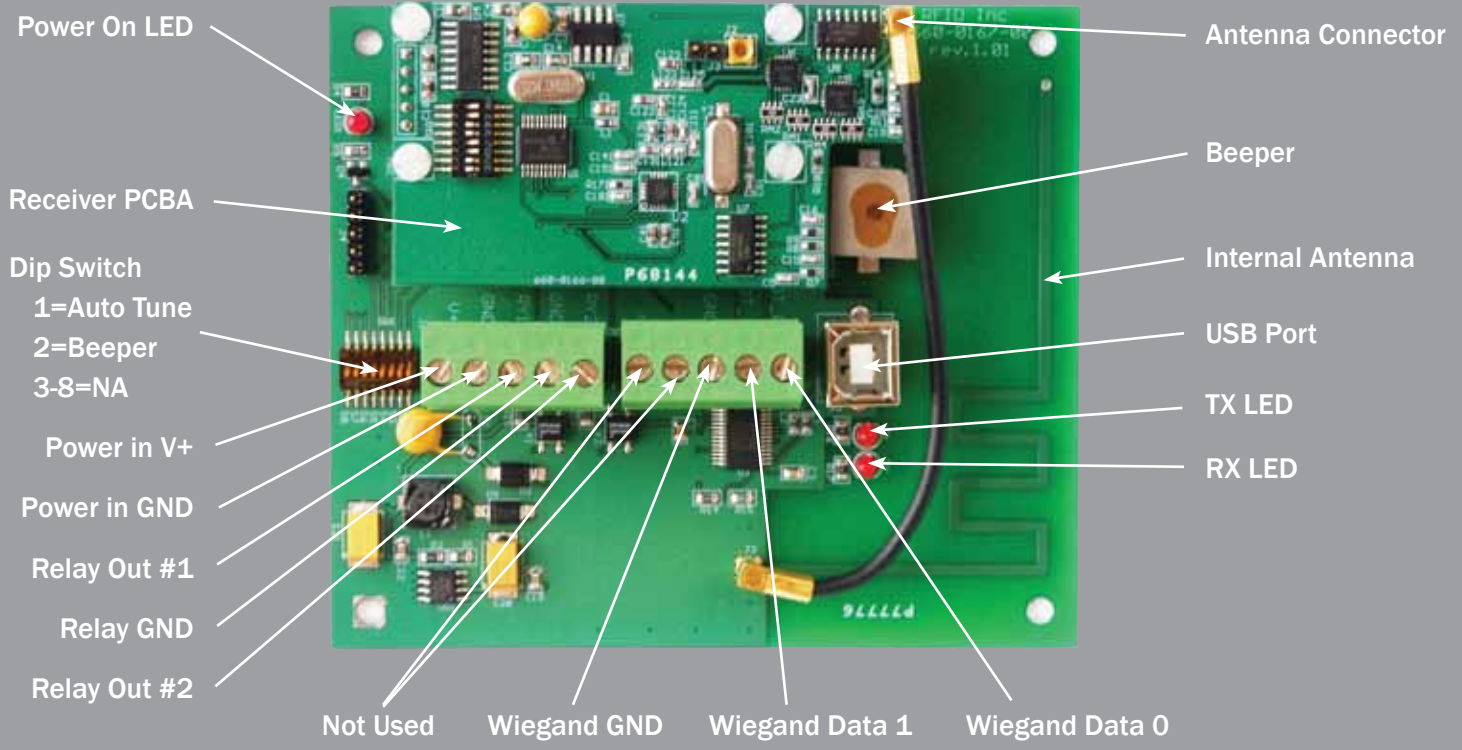
tres RW | Receiver Wiegand
tres RS | Receiver Serial RS232/485
tres RE | Receiver Ethernet TCP/IP

STANDARD FEATURES (Included at No Additional Cost):

- ✓ Up to 45 Foot 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
- ✓ No Protruding Antenna to Compromise Enclosure
- ✓ 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
- ✓ NEMA Enclosure IP67 Rated

tres

transponder and reader engineered systems

Transponder and Reader
Engineered Systems, Inc
www.tresrfsolutions.com
(888) 574-TRES (8737)
sales@tresrfsolutions.com

433 MHz Active Tag RFID | Reader/Receiver

Power On LED

Receiver PCBA

Dip Switch
  1=Auto Tune
  2=Beeper
  3-8=NA

Power in V+

Power in GND

Relay Out #1

Relay GND

Relay Out #2

Not Used   Wiegand GND   Wiegand Data 1   Wiegand Data 0

Antenna Connector

Beeper

Internal Antenna

USB Port

TX LED

RX LED

RX Frequency	433.92 MHz
RF Input (Antenna)	Internal etched / External antenna optional
Sensitivity	-95 dBm MAX
Bandwidth	541 kHz
Operational Temperature	-40°F to +158°F
Housing Size	4.75" x 4.75" x 3.125"
Housing Rating	NEMA Enclosure IP67 Rated
Weight	13 oz – 365 grams
Max Current	100 ma @ +12VDC
Supply Voltage	+8 to +24vdc
Adjustable Read Range	6 ft to 600+ ft (dependant upon environmental issues and antenna selection)
Output Options	USB 1.0/2.0; Serial RS- 232/485; Wiegand 26/32 bit; Ethernet TCP/IP

Made in the U.S.A. by American Companies