

# HARDWIRE TRANSPONDER USER MANUAL



Transponder - Hardwire	TXDP Model
Dimensions	Approx. 3" x 2" x 1" (~7.0 x 5.1 x 2.4cm)
Weight	Approx. 5oz (141grams)
Temp Range	32-122°F (0-50°C)
Voltage	+20 > Voltage > +9V
Current	< 30 milliamps
Low Battery Indicator	LED

*TXDP RMS Hardwire Transmitter FCC Declaration:  
FEDERAL COMMUNICATIONS COMMISSION RADIO AND TELEVISION  
INTERFERENCE STATEMENT*

*Changes or modifications not expressly approved by Westhold Corporation could void the user's authority to operate the equipment.*

*This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received including interference that may cause undesired operation.*

FCC ID: NKBTXDP-01  
IC ID: 677A-TXDP01



## 01 INSTALLATION

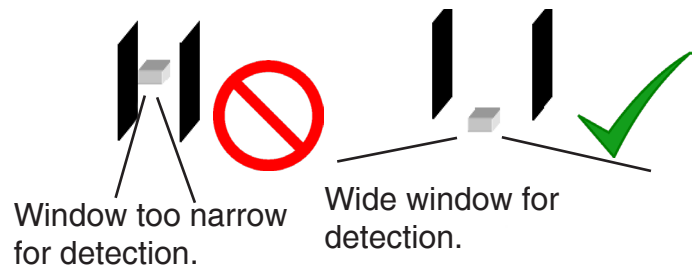
1. Strip the leads back to expose the copper wire. Be careful not to damage the wire when stripping.

2. Attach one lead to a fused (1A, 20V+ rated) +9 to +20 volt supply and the other lead to the body frame of the vehicle that the ground (negative) terminal of the battery is connected to. It does not matter whether the red or black lead is connected to +12 volts and ground as long as one is at +12 volts and the other is grounded.

Current drawn by the transmitter is low. However the transmitter should be connected such that the transmitter is disengaged when the vehicle is not running.

## 02 MOUNTING

The Hardwire Transponder should be **MOUNTED HORIZONTALLY** with the label readable and facing the track. Mounting the transponder vertically will result in poor performance. **There should be NO metal or carbon fiber between the transponder and the track. The transponder must have a clear shot to the ground.** Signals can go through plastic so it is possible to use a piece of plastic as a mounting plate.



**NOTE: BE SURE TO SECURELY FASTEN THE TRANSPONDER TO THE VEHICLE BEFORE USE. UNSECURED TRANSPONDERS CAN BE HAZARDOUS IF THEY FALL ON THE TRACK.**

## 03 LED INDICATORS

When power is delivered to the transmitter both the red and green LED lights will turn on momentarily. The red LED will shut off and the green LED light will flash approximately once a second to indicate that the transmitter is operational.

If only the red LED light is on, it indicates voltage is too low for normal operation. Do not allow the voltage to go below +9 volts. The transponder requires at least +9 volts to operate.

## 04 STORAGE

**Typical Storage Between Races:**  
When transponders are not in use, they can remain on the vehicle. Remove the transponder when washing the vehicle.

## **Westhold Corporation General Warranty**

Modules and other equipment (“Goods”) purchased from Westhold Corporation are warranted against defects in materials and workmanship under normal use for a period of three years from the date of purchase on new equipment only. In the event of product failure due to defects in materials or workmanship, the customer may return the defective product to Westhold Corporation for repair or replacement. The customer is responsible for all shipping charges associated with shipping the Goods back to Westhold Corporation. Westhold Corporation pays shipping charges associated with the return of Goods back to the customer. As Westhold Corporation will not be responsible for damages incurred during any incoming shipment, it is recommended that the customer insure their shipment through their carrier.

Westhold Corporation shall, at its sole option, repair or replace the Goods. Repair or replacement of Goods is Westhold Corporation’s sole obligation and the customer’s exclusive remedy for all claims of defects. If that remedy is adjudicated insufficient, Westhold Corporation shall refund the customer’s paid price for the Goods and have no other liability to the customer.

Westhold Corporation’s software, if included with Goods, is sold as is, and this warranty is inapplicable to such software.

This warranty does not cover and Westhold Corporation will not be liable for, any damage or failure caused by misuse, abuse, acts of God, accidents, electrical irregularity, or other causes beyond Westhold Corporation’s control, or claim by other than the original purchaser. This warranty is void if Westhold Corporation, in its sole discretion, determines that there has been any:

1. Tampering, signs of tampering, alteration, modification, or other indications or abuse.
2. Application of power outside of the voltage level and polarity specified in the data sheet or user’s manual.
3. Repair or attempt to repair by anyone other than a Westhold Corporation authorized technician.

This is our entire warranty and is given in lieu of all other possible warranties, either express or implied, including warranties of merchantability and of fitness for a particular purpose. By accepting delivery of the Goods, Purchaser/User waives all other possible warranties, except those specifically given.

**IN NO EVENT SHALL WESTHOLD CORPORATION BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, INDIRECT, SPECIAL OR PUNITIVE DAMAGES ARISING OUT OF OR RELATING IN ANY WAY TO ANY DEFECT IN OR FAILURE OF OR INABILITY TO USE THE GOODS, INCLUDING BUT NOT LIMITED TO, CLAIMS BASED UPON LOSS OF USE, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, LOST PROFITS, REVENUE OR SAVINGS, LOST GOODWILL, ENVIRONMENTAL DAMAGE, INCREASED EXPENSES OF OPERATION, COST OF REPLACEMENT GOODS, OR CLAIMS OF THE CUSTOMER OR CUSTOMER’S CUSTOMERS, WHETHER OR NOT BASED ON CONTRACT, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHERWISE. WESTHOLD CORPORATION’S MAXIMUM LIABILITY UNDER THIS WARRANTY SHALL NOT EXCEED THE PAID PRICE FOR THE GOODS UPON WHICH SUCH LIABILITY IS BASED AND ALL SUCH LIABILITY SHALL TERMINATE NO LATER THAN ONE YEAR FROM THE DATE OF DELIVERY OF THE GOODS.**

*Note: Westhold Corporation’s Goods are sold for resale or for commercial purposes, and are thus not covered under the Magnuson-Moss Warranty Act.*