

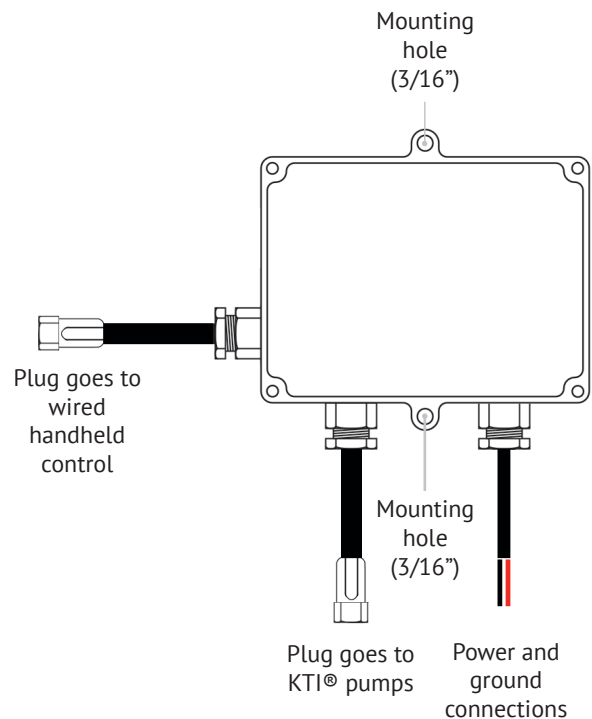
PS002TS Series Wireless System | Instructions



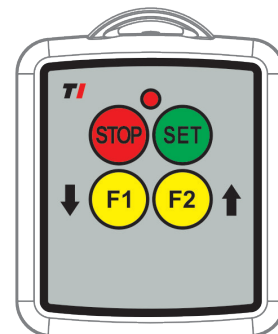
The PS002TS is specially designed for the work truck and trailer market to quickly install a wireless system to a dump trailer. Compatible with KTI® pumps.

SAFETY	
1.	The receiver is designed to carry a maximum of 5 amps, with an individual output maximum of 3 amps. If you need to switch higher currents, consider a different Lodar series that's suited to switch up to 15 amps.
2.	Lodar receivers MUST have an isolation switch to allow for registering a replacement transmitter and a fuse for safety.
3.	Both the transmitter and receiver will switch off after 30 minutes of inactivity.
4.	If the application requires heavy vibration, potting the system may be required for proper operation.
5.	If the Lodar system is installed within a toolbox, an aerial accessory can be added for optimal frequency range.

STEP 1: RECEIVER INSTALLATION	
A	<p>Remove power to the battery and fuse.</p> <p>WARNING: Vehicle batteries contain gasses which are flammable and explosive. Wear eye protection and do not lean over battery while disconnecting. Do not wear metal jewelry.</p>
B	<p>Choose the optimal location.</p> <ul style="list-style-type: none"> Mount the receiver as high as possible above ground. Avoid surfaces with heavy vibration. Avoid direct spray from wheels. In a hot climate, fit in a shaded position. Cable gland should face down or back. If the Lodar system is installed within a toolbox, an aerial accessory can be added for optimal frequency range.
C	<p>Mount the receiver.</p> <ul style="list-style-type: none"> Bolt the two mounting holes to a flat surface. The holes fit two 3/16" bolts (not supplied).
D	<p>Wiring and quick connections.</p> <ul style="list-style-type: none"> The red wire goes to the positive on the battery. The black wire goes to the negative on the battery. Quick connect the male end to the handheld wired control plug. Quick connect the female end to the pump.
E	Reconnect power to the fuse and battery.



STEP 2: TRANSMITTER ACTIVATION	
A	The transmitter is supplied with batteries that have been disconnected. Connect the batteries.
B	<p>Pair <u>one</u> transmitter to the receiver:</p> <ul style="list-style-type: none"> Remove power to the receiver. Press and hold STOP (red) and SET (green) for a minimum of 5 seconds. The transmitter will have the following light pattern: flash pause, flash pause. Power the receiver. You have 10 seconds to press and hold the SET (green) for 5 seconds. The receiver will have a continuous light pattern. You are ready to control your equipment.



TROUBLE SHOOTING

In the event of a system failure, read the light on the receiver to learn more. Call Lodar service for warranty and technical help.



STATUS LED SLOW FLASH
"Flash pause Flash etc."
Indicates coding window is open.

STATUS LED ON CONTINUOUSLY
Coding window closed.

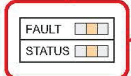
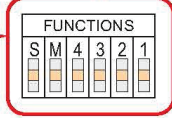
STATUS LED FAST FLASH
"Flash Flash Flash etc."
A Transmitter button is being pressed.

FAULT LED
Flashes an error code for an active fault.

Function LED's

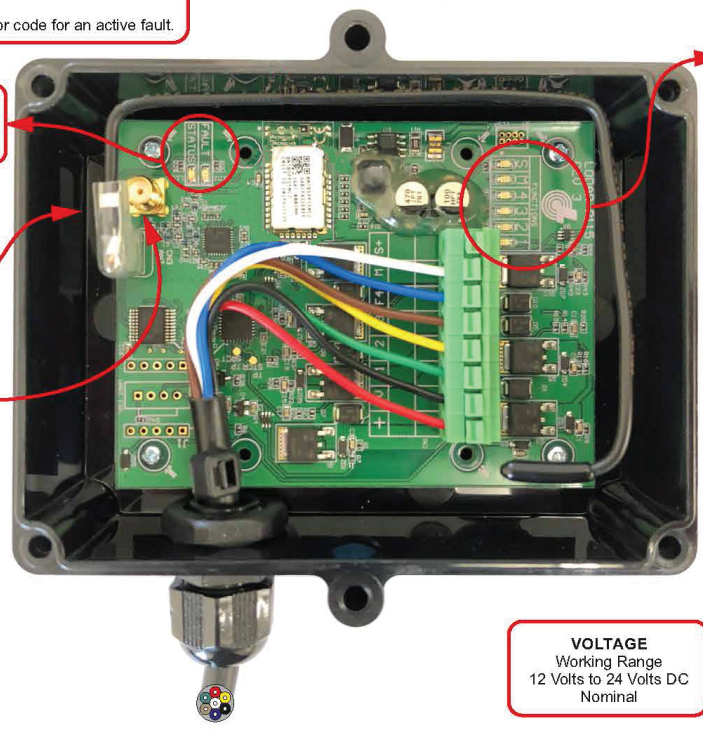
S
When lit Indicates system is active

F1 through F2 and M
When lit indicate an output to that function



FLAG AERIAL
(Standard)

SMA connector for external AERIAL
(Special Order)



VOLTAGE
Working Range
12 Volts to 24 Volts DC
Nominal

Fault Codes - Number of flashes indicate Fault Code.
"1 = Flash Pause, 2 = Flash, Flash, Pause, etc"

- 1 = OUTPUT FAULT - F1 to F2
- 2 = SAFETY VOLTAGE FAULT (LOW VOLTAGE)
- 3 = MASTER VOLTAGE FAULT (LOW VOLTAGE)
- 6 = OVER TEMPERATURE FAULT
- 7 = SYSTEM FAILURE - COMMS FAULT

LOW VOLTAGE = LESS THAN 6 VOLTS
OVER TEMPERATURE = GREATER THAN 100°C

FREQUENTLY ASKED QUESTIONS

Can I use a wired remote and wireless remote at the same time?	Yes. The plug and play nature of the trailer series wireless allows the operator to use the wireless or the wired hand control.
What is a transmitter?	A wireless system consists of two main components: a transmitter (handheld wireless controller) and a receiver (black box that's mounted to your equipment). The transmitter sends messages to the receiver to operate your equipment. The receiver receives the message and instantly responds by controlling the equipment.
What is a receiver?	
Are replacement transmitters available?	Transmitter and receiver parts are available. To reorder a transmitter, call your local dealer and give them the part number on the lid of the receiver so they can identify the correct transmitter.
What is the warranty process if there is a problem with my system?	The first step in the warranty process is diagnosing the problem. First, change the transmitter batteries. Second, repair the transmitter to the receiver using the "Transmitter Activation" instructions on page one. Third, if the system is not responding, find the serial number on the receiver, go to www.lodar.com/lodar-warranty to fill out a warranty request form. Or call Lodar service at 877-257-1581 or send an email at lodarservice@lodarusa.com .
Can I pair multiple transmitters to the same receiver?	<p>Yes. Below is the pairing process for multiple transmitters to the same receiver.</p> <p>CODING INTO SLOT 1</p> <ul style="list-style-type: none"> Ensure Receiver is OFF Press and hold SET and STOP on Transmitter until LED goes OFF LED on Transmitter will flash once to indicate slot 1 Turn ON Receiver Wait for yellow LED on Receiver to flash slowly Press and hold SET on Transmitter until SET on Receiver is illuminated Check Receiver is coded correctly by pressing SET then operating any function <p>CODING INTO SLOT 2</p> <ul style="list-style-type: none"> Ensure Receiver is OFF Press and hold SET and STOP on Transmitter until LED goes OFF LED on Transmitter will flash once to indicate slot 1 Press SET to select slot 2 – the LED on Transmitter will flash twice Turn ON Receiver Wait for yellow LED on Receiver to flash slowly Press and hold SET on Transmitter until SET on Receiver is illuminated Check Receiver is coded correctly by pressing SET then operating any function