Wiring Instructions for P11RX04 Series Receivers

11RX04.01

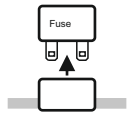
08/12/2017

1 BEFORE YOU START

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, then the you should consider other series which can switch up to 15 Amps.
2. Master Output. Continuous or Parallel operation,
3. Receiver outputs, when connected in parallel with an external switching device (wired remote), will instantly switch off if the wired remote is operated. This is a feature of the safety circuits.
4. Lodar Receivers **MUST** have an **isolation switch** to allow for registering a replacement Transmitter and a **FUSE** for safety.
5. Safety Feature. Both the Transmitter and the Receiver will switch off after 30 minutes of inactivity. Other Timeouts are available, ask your dealer.

2 IDENTIFY POWER CONNECTION POINT AND ISOLATE SUPPLY

Remove fuse



or Disconnect Battery

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 jewellery.

3 MOUNT RECEIVER

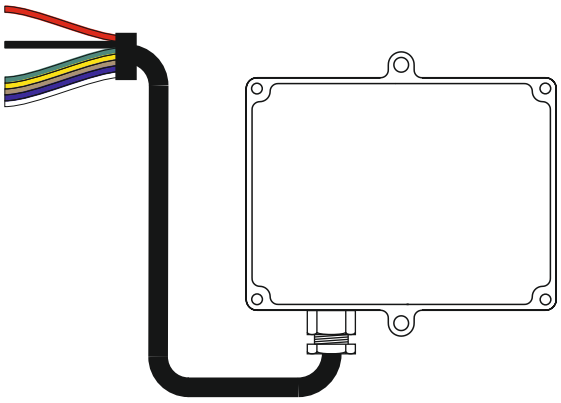
CAUTION

TAKE TIME TO LOCATE THE BEST POSITION

If necessary, power the Receiver and move it around the vehicle until the required performance is achieved. Operate the Transmitter and observe the Receiver internal LED's.

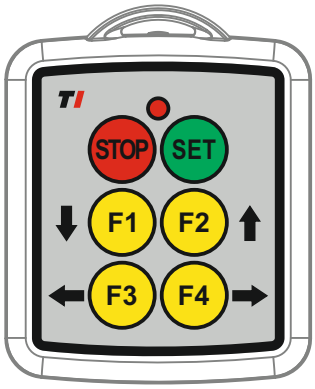
Mount as **HIGH** as possible
AVOID surfaces with **HEAVY VIBRATION**
AVOID DIRECT SPRAY from wheels
In a **HOT CLIMATE** fit in a **SHADED** position
Cable gland should face **DOWN** or **BACK**

Receiver P11RX04 Series
Waterproof to IP67 complete with 1.5 metres (5ft) cable



Secure using 5mm (3/16") bolts (not supplied) through the 2 mounting feet

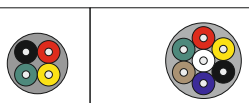
4 ALL TRANSMITTERS FOLLOW THIS NUMBERING CONVENTION



CONNECT WIRES

When F1 is pressed the GREEN wire gives an output etc.

Make notes here.



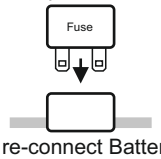
Wire Colour	Wire used for	11RX00	11RX02	11RX04
RED	12/24 VDC Nominal Positive Supply			
BLACK	0 Volts (Ground)			
GREEN	Output Function 1 (F1 Button)			
YELLOW	Output Function 2 (F2 Button)			
BROWN	Output Function 3 (F3 Button)	Not Present	Not Available	
BLUE	Output Function 4 (F4 Button)	Not Present	Not Available	
WHITE	Master - pre configured to your requirement	Not Present		

What is the MASTER Output for ?

It is used to operate the pump of an electro-hydraulic power pack or maybe a clutch pump. It can also be used for powering a dump valve, master valve etc. It can be configured to work **continuously**, that is ON when SET is pressed and OFF when STOP is pressed; or in **parallel** with any output, that is, it is active only a function is operated. If it is needed with certain functions only, this can easily be configured.

5 ACTIVATE THE RECEIVER SUPPLY

Replace fuse



or re-connect Battery

6 CONNECT TRANSMITTER BATTERY

Batteries generally have to be disconnected when shipping.

7 TEST

Press the Transmitter RESET button to activate the system, and carefully test each function for correct operation.

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11RX04.01

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.

Bluetooth®
(Special Order)

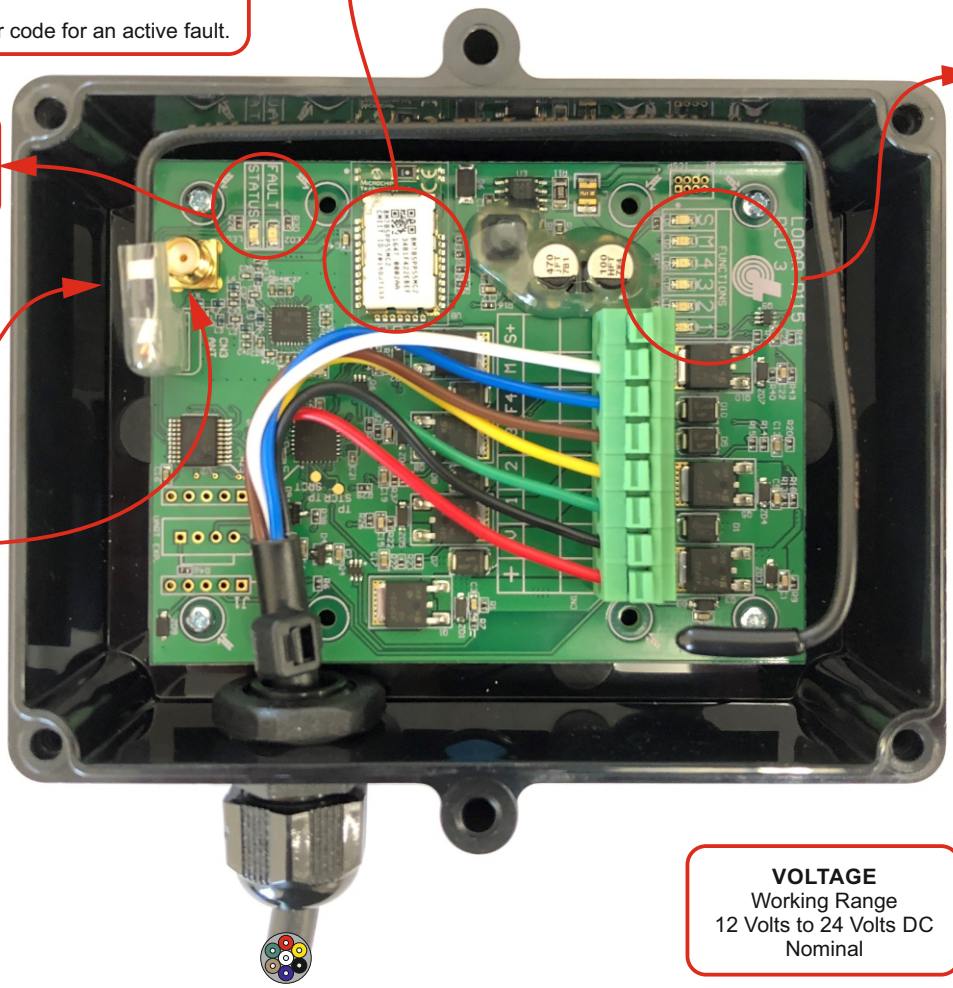
Function LED's

S
When **lit** Indicates system is active

F1 through F4 and M
When **lit** indicate an output to that function

FAULT
STATUS

FUNCTIONS
S M 4 3 2 1



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 F4
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

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