Wiring Instructions for 92 Series & 93 Series 6 Function Receivers

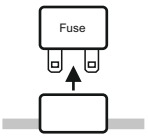
92106RX.01E

1 BEFORE YOU START

1. The Receiver is designed to carry a maximum of 15 Amps. That is, for example,15 Amps through one output or 5 Amps each through 3 outputs.
2. Master Output. This can be configured to Continuous or Parallel operation, see overleaf for details.
3. If Receiver outputs are connected in parallel with an external switching device (wired remote) the Receiver will instantly switch off when the wired remote is operated
4. Lodar Receivers **MUST** have an **isolation switch** for safety, to allow for registering a replacement Transmitter.
5. Safety Feature. Both the Transmitter and the Receiver will "time out" after 30 minutes of inactivity. This can be altered, ask your dealer.

2 IDENTIFY POWER CONNECTION POINT AND ISOLATE SUPPLY

Remove fuse



or Disconnect Battery

3 MOUNT RECEIVER

CAUTION

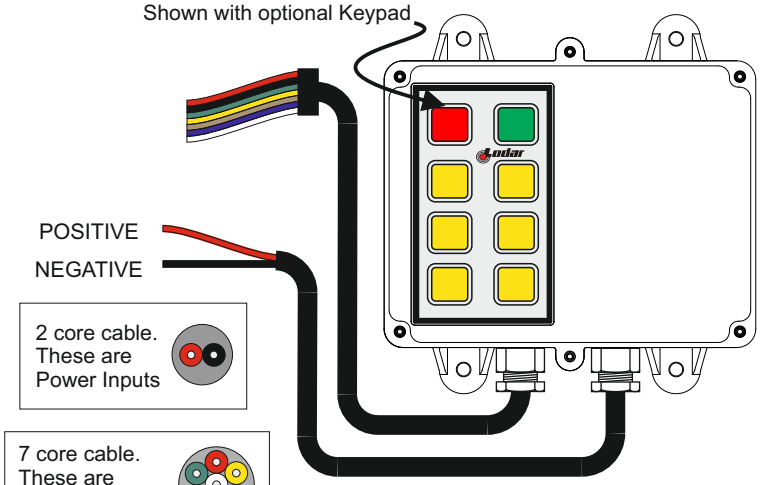
TAKE TIME TO LOCATE THE BEST POSITION

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 9206RX and 9306RX shown,
Waterproof to IP67, complete with 3 metres (10 ft) cables

Shown with optional Keypad



Secure using 5mm (3/16") bolts (not supplied) through the 4 mounting feet

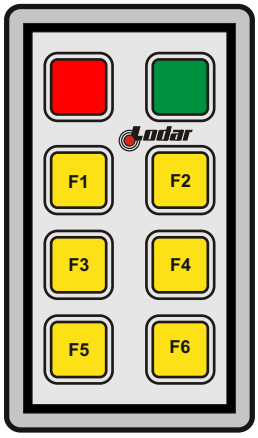
Wire Colour	2 Core wire used for:-
RED	12/24 Volts DC Nominal Positive Supply
BLACK	Negative

Make notes about the connections made in the boxes

Wire Colour	7 Core wire used for:-
GREEN	Output Function 1
YELLOW	Output Function 2
BROWN	Output Function 3
BLUE	Output Function 4
BLACK	Output Function 5
RED	Output Function 6
WHITE	Output Function Master

4 CONNECT WIRES

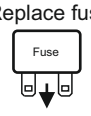
Transmitter Function I.D.



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

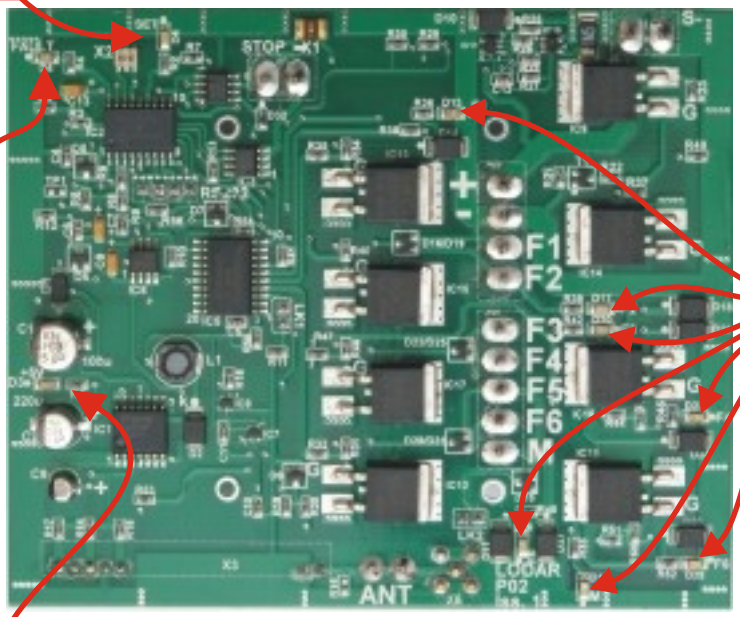
Press the Transmitter RESET button to activate the system, and carefully test each function for correct operation.

Component Detail

LED marked "SET"

Indicates system is active

LED's marked "F1 - F2 - F3 - F4 - F5 - F6 and M"
When **ON** indicate an output to that function



LED marked "FAULT"

Indicates an overload is present; the System cannot be **RESET** until overload is removed.

This **LED** blinks for 20 seconds when the Receiver is initially powered. A replacement Transmitter has to be registered during this 20 second period.

LED marked **"5V"**

Indicates power supply for control circuits is OK

VOLTAGE
Working Range
12 Volts to 36 Volts DC

Limits
8 Volts minimum to
40 Volts absolute max.

Connection Detail

S-, S+ Connections
For Safety Solenoid etc.
Part No. 9820 or 9821

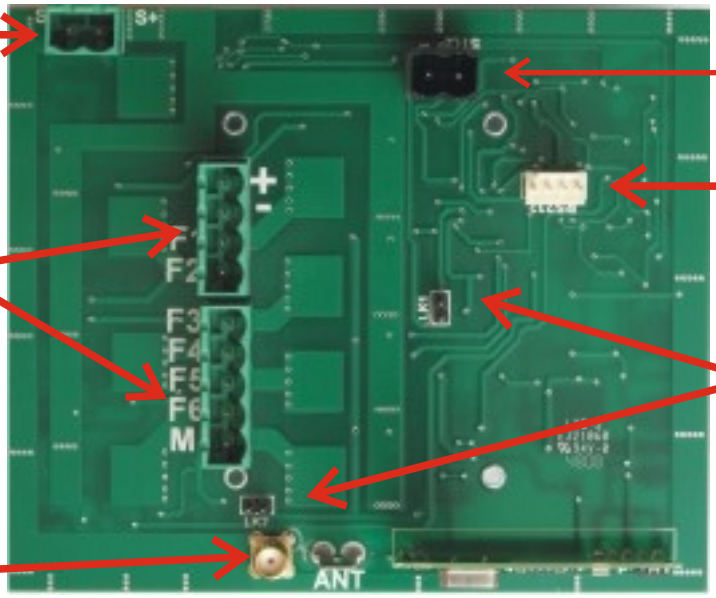
Supply 12/24 V DC
40 Volts ABSOLUTE MAX

Outputs
F1, F2, F3, F4, F5, F6 and Master.

The Receiver is designed to handle 15 Amps, current draw in excess of this will trigger a system shut down.

Any output can handle this maximum current.

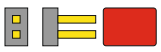
SMA connector for External Aerial Antenna Part No. 9861, 9862, 9863 or 9869



Standard (Internal) Antenna connection

STOP and -, when connected together will cause the Receiver to power down

RS232 connection for programming and special features



Lk1, when bridged causes the Master Output to be Parallel

LK2, when bridged causes the Master Output to be Continuous

Jumper MUST be fitted to only ONE link

POWER DOWN RECEIVER BEFORE MAKING CHANGES

Your product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collection system for these products.
In the EEC - Please contact your National Distributor (see www.lodar.com for this information) who will inform you about the take-back of the product. You might be charged for the costs arising from the take-back and recycling. Small products might be taken back by your local collection facilities.
Outside the EEC - If you wish to discard this product please contact your local authorities and ask for the correct method of disposal

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