



Wiring Instructions for 92 Series & 93 Series One Function Systems



92101.02E

1



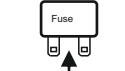
BEFORE YOU START

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

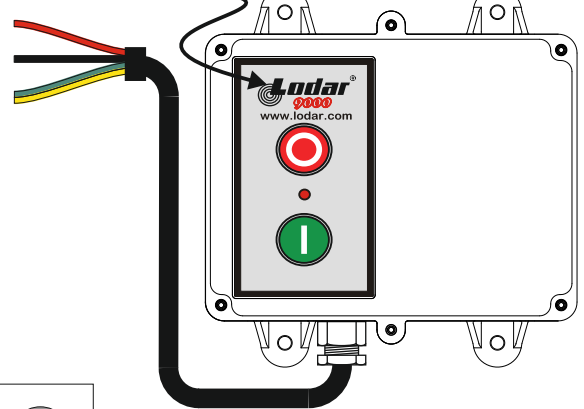
MOUNT RECEIVER

CAUTION



POSITIVE
NEGATIVE

Shown with optional Keypad



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

92 00 RX
& 93 00 RX
have
4 core cable



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

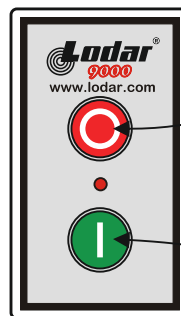
4

CONNECT WIRES

Transmitter Function I.D.

RECEIVER WIRES for given Transmitter Operation		
WIRE COLOUR	FUNCTION	9201 9301
RED	12 to 36 Volts DC Positive	YES
BLACK	Negative	YES
GREEN	Output F1 Momentary	YES
YELLOW	Output F2 Latched	YES

STOP Button switches system OFF
When pressed switches F2 OFF (de-latch F2)

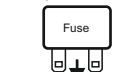


SET Button switches system ON
When pressed switches F1 ON and latches F2 ON
When released switches F1 OFF ONLY (F2 remains ON)

5

ACTIVATE 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.



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

FM Series - Effective working range up to a distance of 60 metres (200 feet).
Narrow Band FM Series - Effective working range up to a distance of 300 metres (1000 feet)

STOP Button switches off the Receiver and the keypad function buttons switches F2 OFF (de-latch F2)

L.E.D.

Blinks when Transmitter and Receiver are active.

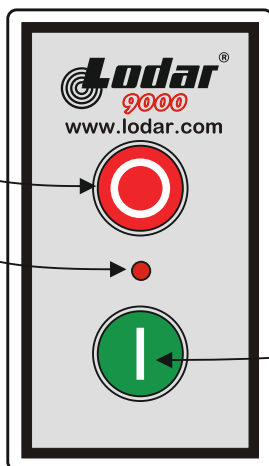
ON when a Transmitter Button is pressed.

Pulses while transmitting when battery is low.



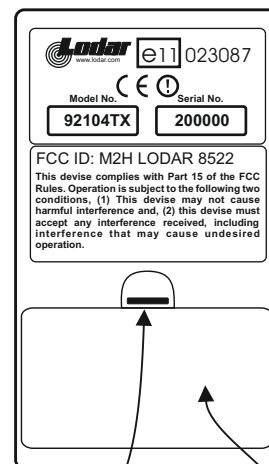
SAFETY FEATURE

The Transmitter automatically transmits a **STOP** signal after 30 minutes; this de-activates the Receiver and the Transmitter keypad.



Lo-Cover not shown

RESET Button activates the Receiver and the keypad function buttons When pressed switches F1 ON and latches F2 ON When released switches F1 OFF ONLY (F2 remains ON)



Release Catch Battery Compartment

To register Transmitters to the Receiver.

Switch OFF or DISCONNECT the power to the Receiver and briefly PRESS the STOP button on one or both Transmitter(s). Switch ON or Reconnect the power to the Receiver.

This opens a 20 second registration window in the Receiver processor.

If you are looking at the Receiver PCB the Fault LED Flashes. Immediately PRESS and HOLD the Transmitter RESET Button for a MINIMUM of 5 seconds during this 20 second window. When the Transmitter is Registered the Fault LED will be illuminated for **3 seconds**. Within this **3 second** period, release the RESET button.

TO REGISTER TWO TRANSMITTERS:

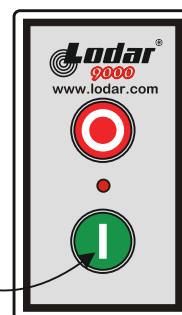
When the fault light starts to flash again, immediately PRESS and HOLD the Transmitter RESET Button of the second Transmitter until the SET LED comes on. Both your Transmitters will now operate the Receiver.

PRIORITY.

Only one Transmitter can be active at any time. For the second Transmitter to work you have to turn off the first Transmitter. Once the second Transmitter is being used then that has priority and it has to be turned off before the first Transmitter can work again.

If you have any problems please phone either your local Distributor or Lodar directly:-
 UK +44 1922 613633. US 1-877- 257-1581.

**PRESS
&
HOLD
for
10 SECONDS
at RX
POWER UP**



LED marked "SET"

Indicates system is active

LED marked "FAULT"

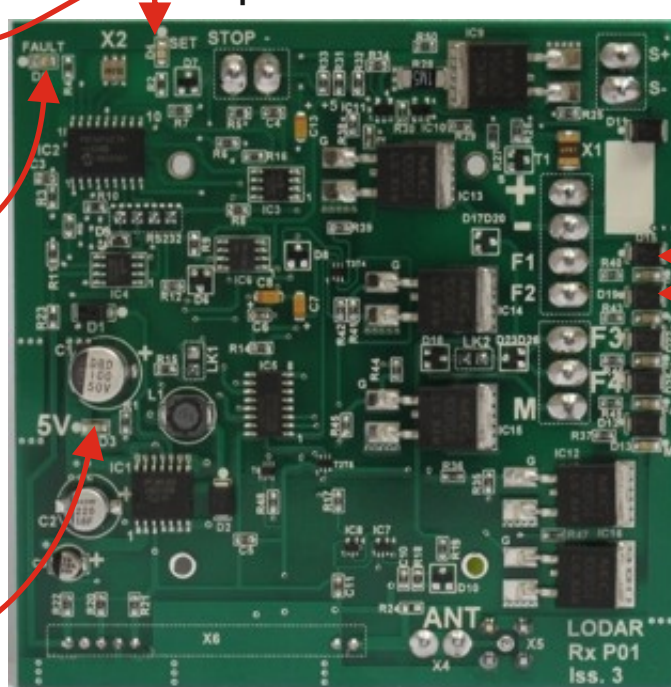
Indicates an overload is present; the System cannot be **RESET** until overload is removed.

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

Component Detail



LED's marked "F1 - F2"

When **ON** indicate an output to that function

VOLTAGE

Working Range
 12 Volts to 36 Volts DC

Limits
 8 Volts minimum to
 40 Volts absolute max.

Note 42 Volt System
 48 Volt Max is currently
 Special Order