

## Wiring Instructions for 92 1 50/54/56 - 2-6 Function Receiver/Actuator Systems

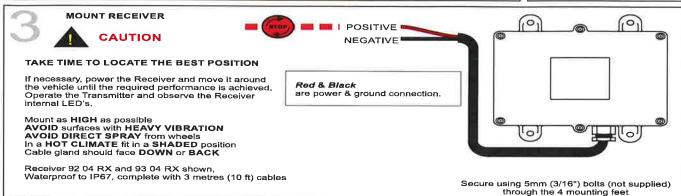


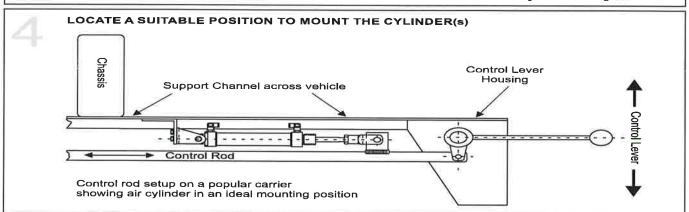


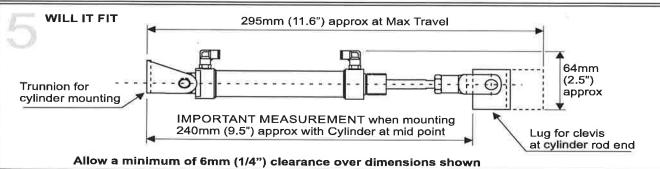
### BEFORE YOU START

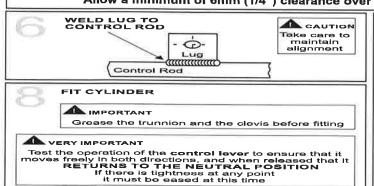
- The Receiver is designed to carry a maximum of 15 Amps. That is, for example, 15 Amps through one output or 5 Amps each through 3 outputs.
- Master Output. This can be configured to Continuous or Parallel operation, see overleaf for details.
- If Receiver outputs are connected in parallel with an external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

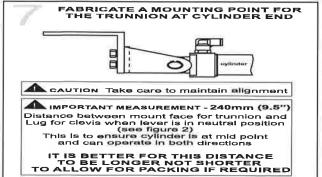












## BEFORE YOU MAKE FINAL CONNECTIONS IMPORTANT - Take care to keep

all pipes and connectors clean at all times

A CAUTION - Maximum air pressure 120 psi

PARTICLE INGRESS WILL CAUSE DAMAGE

1

CAUTION - A pressure regulator may be required At 120 psi the cylinder can push with a force of 91 lbs and pull 76 lbs



CAUTION - Air supply should be CLEAN and DRY at all times. Most important in cold climates Actuator failure could occur

# GREEN PIPES Cylinder 3 RED PIPES Cylinder 2 BLACK PIPES Cylinder 1 BLUE PIPE Air Supply

## FINAL CONNECTIONS

CONNECT to power supply (see figure 3)

CONNECT air supply (BLUE PIPE) the adaptor may be require

CONNECT to cylinder 1(BLACK PIPES) all pipes are push fit

CONNECT to cylinder 2 (RED PIPES) 92 1 54 Models only

CONNECT to cylinder 3 (GREEN PIPES) 92 1 56 Models only

FINAL ADJUSTMENTS

There is a flow control valve on the blue pipe in the Actuator Control Box. Screw the adjuster in (clockwise) to reduce the airflow into the cylinder. This gives some degree of "feel" and "soft start" to the system.

ACTIVATE SUPPLY
Replace fuse or re-connect Battery

CONNECT TRANSMITTER BATTERY
Batteries generally have to be disconnected when shipping.

**TEST** 

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

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

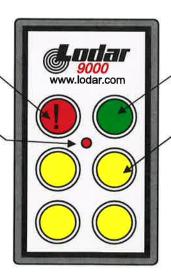
**L.E.D.** Blinks when Transmitter and Receiver are active.

**L.E.D. ON** when a Transmitter Button is pressed.



## **SAFETY FEATURE**

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



RESET Button activates the Receiver and the keypad function buttons

Function Buttons
(Yellow)

Release Catch

Battery Compartment Model No.

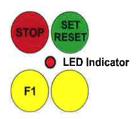
92 1 04TX

PCC ID: M2H LODAR 8522
This devise complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions, (1) This devise may not cause harmful intafrerence and, (2) this devise may not cause harmful intafrerence and, (2) this devise may not cause harmful intafrerence and, (2) this devise may not cause harmful intafrerence are calved, including interference that may cause undesired operation.

Rear

## Registering a Lodar transmitter to a Lodar receiver unit

Take a moment to familiarize yourself with the buttons on your Lodar wireless controller.



STOP - This button turns off the handheld and the receiver unit. This button is in the same location (top left) on all Lodar models

SET / RESET - This button is used for two operations and is in the same location (top right) on all Lodar models . SET - normal operation , transmitter and receiver unit have been paired, a single press will turn on the handheld and the associated receiver unit / ready for wireless operations.

RESET - The green button is used to register - re-register (associate) a Lodar handheld unit to a Lodar receiver unit. (register - adding a new handheld to your Lodar system)

(re-register - on occasion a Lodar transmitter can loose it's association to the Lodar receiver unit and will need to be paired again) The green button is used for either register / re-register or normal operation.

F1 - Function 1 button - This button is located just below STOP on all models.

This button is used to register / re-register (associate) later models of Lodar transmitter to a Lodar receiver.

(Normal operation - F1 / when Lodar system is on, pressing this button activates the function 1 receiver output)

Step 1 - Identify the version of Lodar transmitter you are attempting to register.

Look at the LED indicator, press and hold the GREEN button, if the LED indicator stays solid you will be using a single button setting procedure / if the LED indicator starts solid and begins to flash after 2 seconds you will be using a 2 button setting procedure. (\*\* Note, if LED indicator begins flashing immediately while holding the GREEN button you have a battery voltage issue / change battery / check battery /batteries for correct positive / negative installation)

Single button procedure - Remove power from your Lodar receiver unit, restore power to the Lodar receiver unit. This opens a 20 second registration window on the receiver unit.

Immediately press / hold the GREEN button only for 10 seconds, the SET LED on the receiver should now be illuminated and your Lodar wireless system ready to use.

2 button procedure - Remove power from your Lodar receiver unit, restore power to the Lodar receiver unit.

This opens a 20 second registration window on the receiver unit.

Immediately press / hold the GREEN button, within 2 seconds of pressing and holding the GREEN button press and hold the F1 button also. You will be holding both buttons in that sequence GREEN first, then F1 for 10 seconds. The SET LED on the receiver unit should now be illuminated and your Lodar wireless system ready to use.

If you have issues with this procedure please call Lodar Service & Support Toll Fee 877-257-1581