

DISCLAIMER: Emtion Pty Ltd, Trading as Microtec Engineering, do not take any responsibility for any damage caused installing this product

# **MICROTEC ENGINEERING**

## **EXTERNAL WARNING LIGHT INSTALLATION INSTRUCTIONS**

### **ROBWAY 1502**

**ESTIMATED TIME OF INSTALLATION: 3 HOURS**

#### **SUPPLIED PARTS:**

- 1x Activation box
- 1x External warning light
- 3x mtrs 7-core cable
- 20 x Ferrules
- 2 x Self drilling screws
  - Cable ties

# **ROBWAY 1502 INSTRUCTIONS**

*Read all instructions before commencing*

## **PRE-INSTALLATION CHECKS**

- 1.** Turn on machine and turn the computer on. Verify that crane is in safe working condition and no alarms or errors are displayed.
- 2.** Raise boom to the full extent. Doing this will pressurize the cylinders and bring the moment to 100%. Check that all unsafe motions (Luff down, winch up, Tele out) are in-operable and safe functions (winch down, tele in) are operable. Note: This is provided the unit has a cut-off system fitted. Some machines even with cut-off, may not allow safe functions without O/R.
- 3.** Then turn the over-ride switch and confirm all unsafe functions are operational. Beware: Autostop functions will not operate during over-ride.

➤ Should any of these tests fail call Microtec for service

## **INSTALLATION OF INPUTS**

### **PREINSTALLATION PREPARATION**

1. Isolate batteries during installation with isolator switch.
2. Open up Robway Switch box – this is usually located under the dash on the right side wall with the over-ride key.
3. Mount the Activation box in a suitable position near this switch box.
4. Strip approx. 15cm of insulation from the 7-core cable to expose the wires.
5. Feed this cable into the switch box.
6. Run the other end of the cable to the activation box.

M I C R O T E C



## NOTES

- 1
  - Connect the red wire from the loom to the yellow wire on the terminal strip. Located 5<sup>th</sup> terminal from the left (shown in the connection diagram below).
  - Confirm that the other side of this termination goes to a relay shown in the diagram. If not, then connect the resistor as shown in the diagram on p.3.

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- 2
  - Connect the yellow wire from the loom to the green wire on the terminal strip. Located 1<sup>st</sup> terminal on the left (shown in the connection diagram below).
  - Connect the resistor shown in the diagram on p.3.

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- 3
  - Connect the blue wire from the loom to the pink wire on the terminal strip. Located 1<sup>st</sup> terminal on the right (shown in the connection diagram below).
  - Connect the resistor shown in the diagram on p.3.

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- 4
  - Connect the white wire of the loom to the brown wire from the terminal strip. Located 2<sup>nd</sup> terminal from the left (shown in the connection diagram below).
  - Connect the black wire of the loom to the blue wire from the terminal strip. Located 2<sup>nd</sup> terminal from the right (shown in the connection diagram below).

### CONNECTION FOR LOGICAL OVER-RIDE

#### CONNECTION FOR A 24VDC SYSTEM

