

DISCLAIMER: Enton 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**

**FRANNA 3B6**

**ESTIMATED TIME OF INSTALLATION: 4 HOURS**

**M I C R O T E C**

- **FRANNA 3B6 INSTALLATION**  
*Read all instructions before commencing*

## **PRE-INSTALLATION CHECKS**

1. Turn on machine and switch the 3B6 from travel mode to crane mode. 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 press the LMI 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**

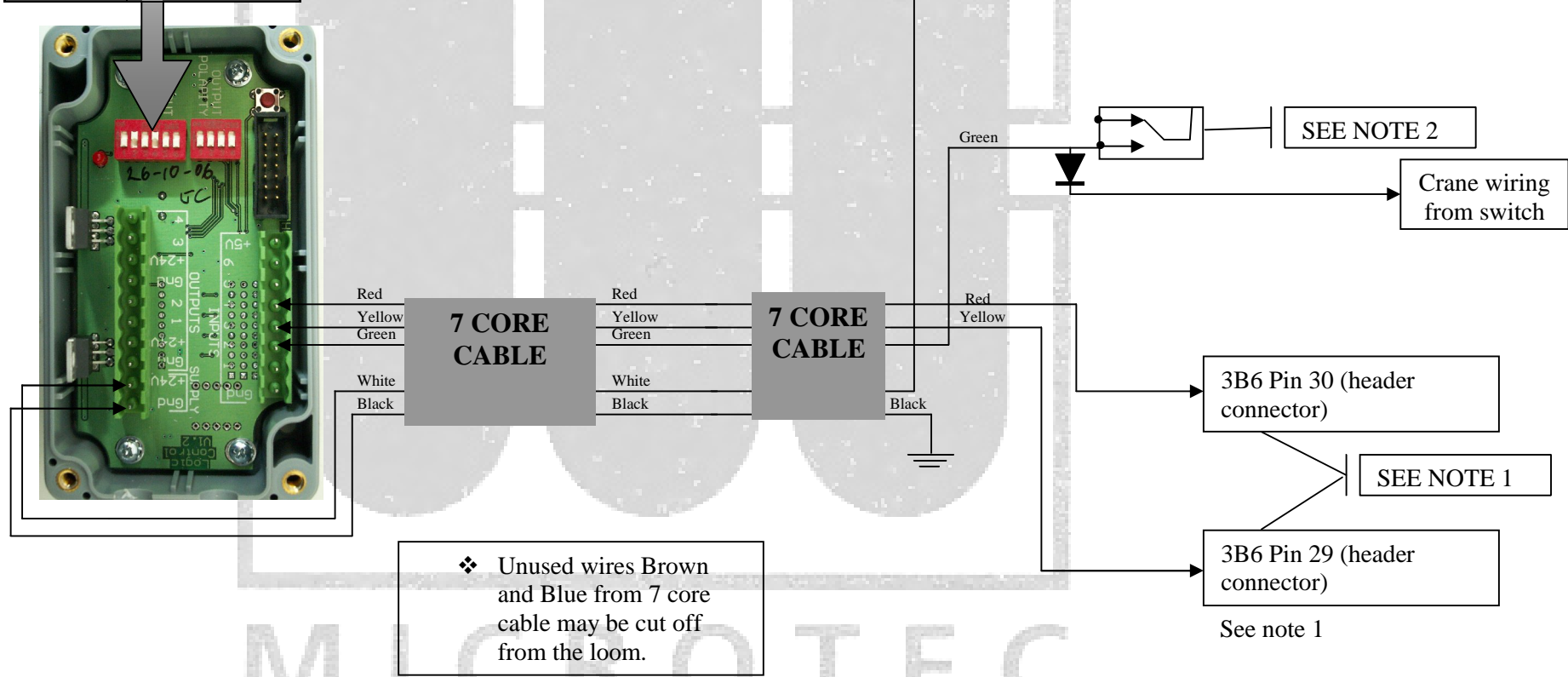
### **PREINSTALLATION PREPARATION**

1. Isolate batteries using the battery isolator.
2. Remove cover from 3B6 computer located under dash on the far LHS wall. Note: 3B6 computer and 3B6 display are 2 different items.
3. Pull 'Travel/Crane', and 'LMI O/R' switch out from dash panel so that the wiring to the switches is accessible.
4. Fit the activation box in a suitable location near the 3B6 computer.

M I C R O T E C

# CONNECTIONS FRANNA 3B6

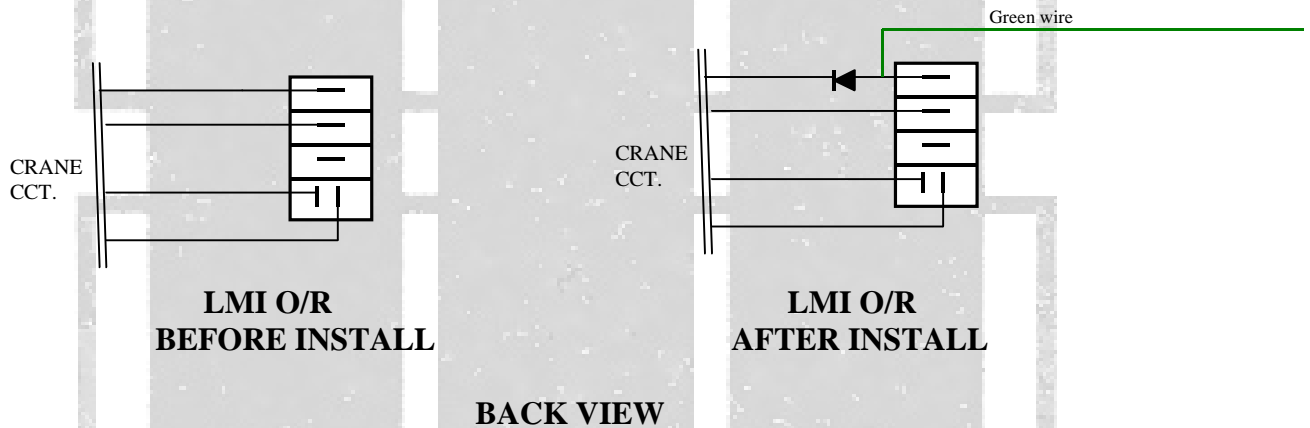
| SWITCH NO. | SWITCH POSITION |
|------------|-----------------|
| 1          | OFF             |
| 2          | OFF             |
| 3          | OFF             |
| 4          | ON              |
| 5          | OFF             |
| 6          | ON              |



## NOTES

- 1
- Identify terminal block connector inside 3B6 computer. Find Pins 29 and 30
  - Loosen one of the cable glands and thread the 2 core cable through to inside the computer box
  - Remove the wire in pin 29. Cut the original ferrule off and re-strip the wire. Insert the original wire and the Black wire from the 2 core cable together into ferrule supplied. Re-insert into pin 29
  - Remove the wire in pin 30. Cut the original ferrule off and re-strip the wire. Insert the original wire and the Red wire from the 2 core cable together into ferrule supplied. Re-insert into pin 30.

- 2
- Confirm that the ATB O/R and the LMI O/R switch have the connections shown below
  - Cut the wire at the top most terminal of the switch on both switches. Insert the diode and relevant wire at each switch as shown in diagram below with solder and heatsink



- 3
- Confirm that the 'Travel/Crane' switch have the connections shown below
  - Connect the white wire to the top most terminal using solder and heatsink or wire tap crimp terminal
  - Crimp the eye terminal onto the black wire. Using an existing bolt or self drilling screw provided, affix the black wire to a suitable earth point

