

## 8to5 Energy Saver INSTALLATION INSTRUCTION LEAFLET

IMPORTANT: IT IS ESSENTIAL THESE INSTRUCTIONS ARE READ AND FULLY UNDERSTOOD BEFORE INSTALLATION IS COMMENCED

### GENERAL INSTALLATION INSTRUCTIONS

1. It is recommended that the 8to5 product is installed by a qualified electrician & wired in accordance with the latest edition of the IEE Electrical Regulations or the national requirements. Ensure that the rated voltage and frequency of the 8to5 as indicated on the box label is compatible with the mains supply.

### 2. ALWAYS TURN OFF THE ELECTRICITY AT THE MAINS BEFORE COMMENCING WORK

3. Remove any diffuser panels (if fitted) from the existing luminaire. Do not use undue force as diffusers & lamps are often fragile.

Remove the T8 lamps – Gently rotate the lamps 90 degrees and withdraw from the Lamp holders. On some older units typically T12's it is necessary to pull back one of the tube holders & withdraw the tube from the tube holders. Do not use undue force.

4. Unscrew any bridge screws or turn buttons and remove the cover plate.

5. Locate the mains input terminal block connector inside the enclosure and disconnect the live and neutral wires that feed to the old ballast/lamp.

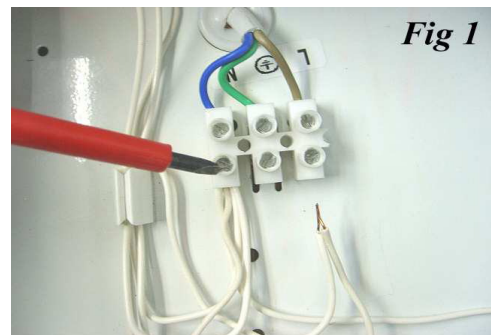
#### **See fig1.**

Remove the old wiring (including the wires to the power factor capacitors), leaving the mains input cable and power connector. Make sure there are no exposed wire ends or potentially conductive components that are not earthed. Check the condition of the old mains input connector and replace if necessary.

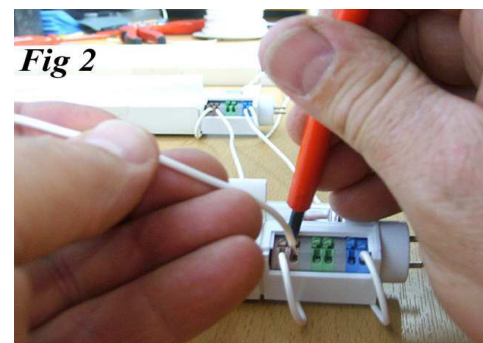
6. For quad housing fixtures – use single solid core wire to link the live (brown push fit) connectors to each other (making sure the wire is the correct length to fit the 8to5's into the enclosure) and repeat the same process for the neutral (blue push fit) connectors. **See fig 2**. If you wish to connect an earth to the 8to5, use the green push fit connectors (the 8to5 is a class 2 fixed luminaire - it is double insulated with a self extinguishing/fire resistant plastic outer case and does not need to be earthed – this feature is optional).

7. Connect the power input wires from the 8to5 units to the mains input terminal block

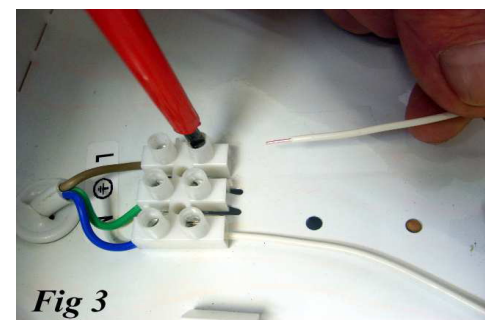
**see fig 3**. Ensure that the wires in the enclosure are fixed down (use the existing cable clips or using adhesive cable clips) Insert and rotate the 8to5 units into the old T8 fitting. Ensure the tube end covers are attached to the 8to5 unit see fig 8a, then re fit the reflector/diffuser panel.



*Fig 1*



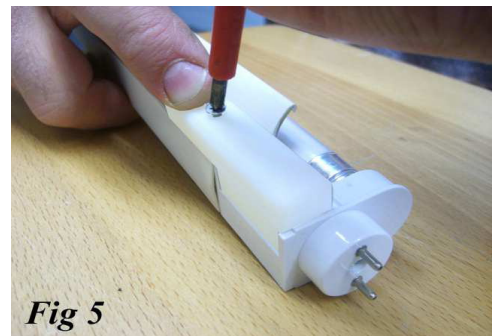
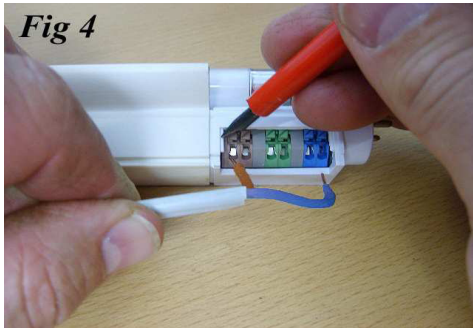
*Fig 2*



*Fig 3*

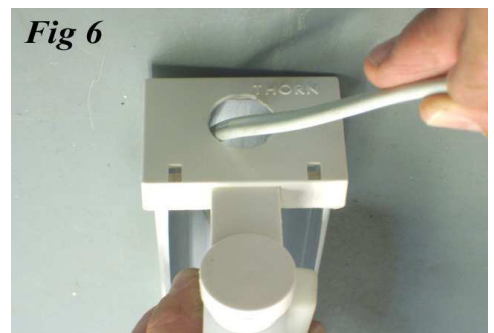
For single externally mounted units

8. Use double insulated cable to connect the live (brown) and neutral (blue) push fit connections to the 8to5 unit (If stranded cable is being used use solder tined wire ends or use crimped pin connectors) see fig 4. then screw the clamp cover onto the 8to5 unit. **See fig 5.**



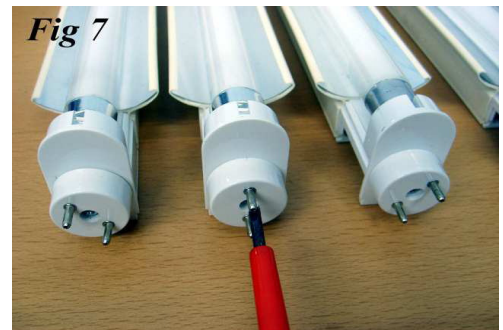
If you wish to connect an earth the 8to5 use the green push fit connectors (the 8to5 is a class 2 fixed luminaire - it is double insulated with a self extinguishing outer case and does not need to be earthed – this feature is optional).

9. Feed the cable through the end of the fixture (if the fixture has a cable entry hole at its end) see **fig 6**, or feed the cable through the starter socket (by removing the starter holder and fitting a grommet around the remaining hole).



10. Connect the live/neutral wires from the 8to5 unit to the power input terminal block connector inside the fixture.

12. For Fitzgerald fittings – On some old fixtures it may be necessary to alter the angle of the mounting pins to position the 8to5 correctly. Loosen the screw at the center of the rotating end piece see **fig 7**. Now rotate the end piece to the required angle and tighten the screw.



13. Re-attach the cover panel and screw or clip the cover panel back on. Ensure the tube end covers are clipped on to the 8to5 unit see **fig 8a and fig 8b**.

Then re-attach/re-position the diffuser panel back on to the fixture.



Always ensure the 8to5 energy saver is wired correctly –always connect the live wire to the live input on the 8to5 –wiring the 8to5 unit incorrectly [reversing the live/neutral wires] will damage the unit and void the warranty.

## **MAINTENANCE**

Ensure a copy of these instructions is presented to the responsible authority when handing over at sight.

1. Regular cleaning of the luminaire is recommended to ensure maximum efficiency; regular lamp replacement will also increase efficiency. (there are no user serviceable parts inside the 8to5 unit).
2. Before changing the tubes always make sure the mains supply is switched off. remove the tube end covers. see fig 8a
3. Replace T5 tubes using the 8to5 branded T5 tubes (ensure the correct wattage rated tube is used to replace the old tube), after replacing the tubes re-attach the tube end covers.
4. In the case of lamp failure, switch off the power and replace the T5 tube. Ensure the T5 tubes are disposed of carefully in accordance with your local authority's regulations or health and safety executive requirements.

## **GUARANTEE**

The company will replace any goods of their manufacture which are received damaged or faulty within a period of twenty four calendar months (2 years) from the date of manufacture, under the following conditions:

1. The goods have been installed correctly in accordance with the above.
2. General maintenance should be undertaken at regular intervals. Where applicable fluorescent lamps should be replaced promptly as and when required.
3. On consideration that the defect can be related to design, material or workmanship.
4. Alterations to this product in terms of layout, components, or connections, other than described in these instructions, could invalidate the CE mark and any other product warranty.

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