

INFORMATION PACK for SWITCHES ORDERS



Thank you and congratulations on choosing Lumen 8.

Please find included:

- 1/ Delivery note / Invoice
- 2/ This wiring diagrams and information sheet.
- 3/ Cover plate fastening tools (either allen keys or tool for clip-on cover plates).

Please note that these installation instructions contain important information and are to be issued to the relevant person installing the Lumen 8 products together with the cover plate fixing tools.

Job / Invoice number:.....

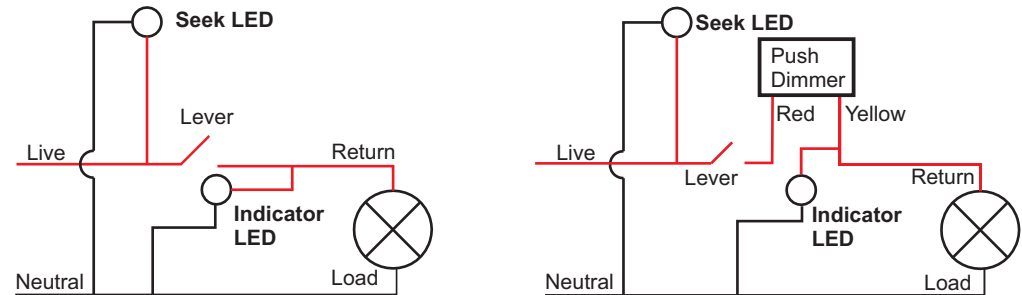
Project.....

Rev 6

Wiring diagram for switches with SEEK light and / or INDICATOR light.

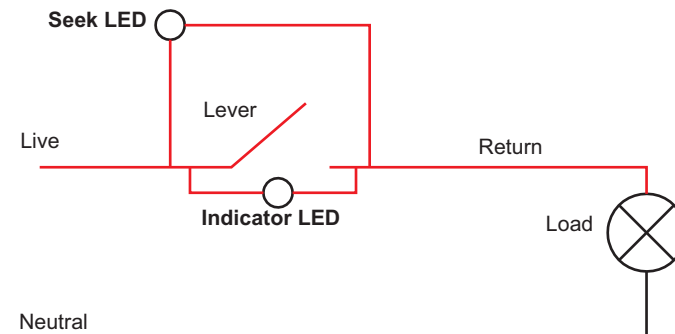
Method 1 (Recommended)

Requires a neutral to wall box. This method will allow the seek light to remain permanently on and the indicator light to turn on when the lever is switched on.



Method 2 (Not recommended for indicator lights but is still acceptable for the seek light).

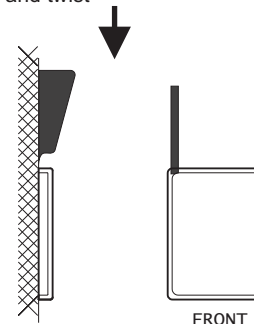
Where there is no return to the wall box. In this instance a seek light will be continuously on except when the lever is switched on. The indicator light/s will work in reverse. This means that the indicator will be on and will turn off when the lever is switched on.



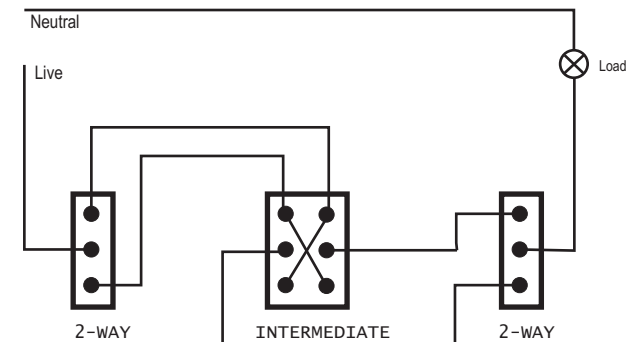
REMOVING CLIP-ON COVERS.

Tools are supplied with orders.

Push tool downwards at corner and twist

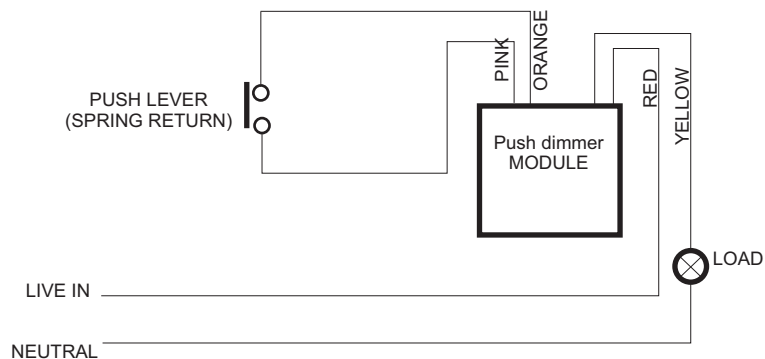


WIRING DIAGRAM FOR INTERMEDIATE TOGGLE SWITCHES.

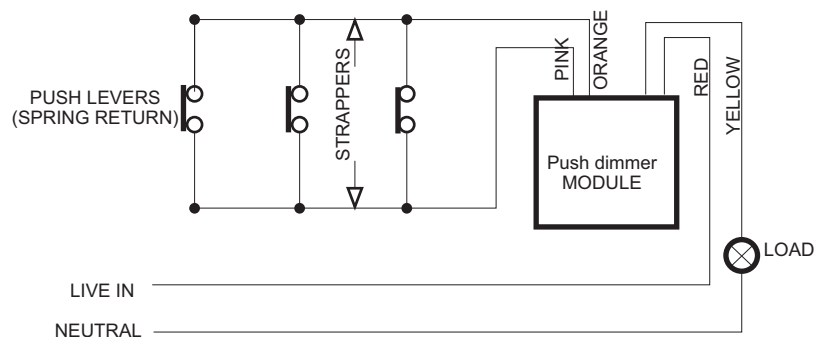


PUSH DIMMER WIRING

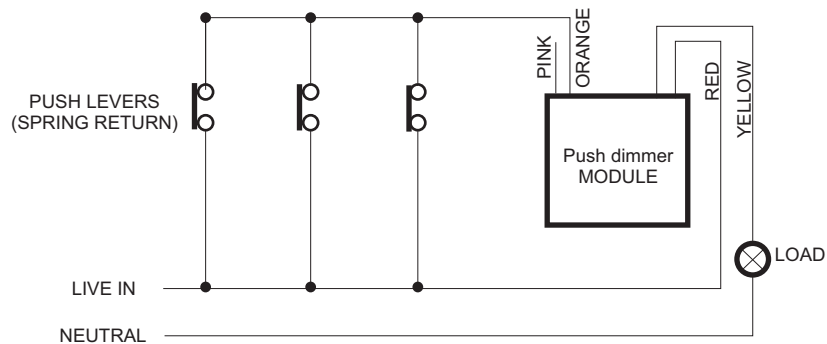
ONE -WAY DIMMING



MULTI-WAY DIMMING. Preferred method.



MULTI-WAY DIMMING OPTIONAL METHOD for existing wiring. Not preferred.



DIMMING INSTALLATION GENERAL NOTES

NB. Dimmers supplied as standard are compatible with "leading edge" transformers. Please ensure transformer / dimmer compatibility before installation. Lumen 8 accepts no responsibility for costs incurred due to incorrect dimmers / transformers. LED circuits require special dimmers.

1. Suitably qualified personnel, as with all electrical appliances, should install light dimmers.
2. Ensure that you have selected the correct dimmer, before installation.
3. Calculate the total load, by adding up the wattage of all the lights to be dimmed.
4. If the lights are of the low voltage types, multiply the total lamp load by 1.3. This is to allow for the extra load that the transformers require.
5. This total load must not be greater than the rating of the dimmer.
6. Also ensure that the total load is at least 10% of the rating of the dimmer.
7. For best operation, and longest life the load on the dimmer should be between 30% & 70% of the rated load.

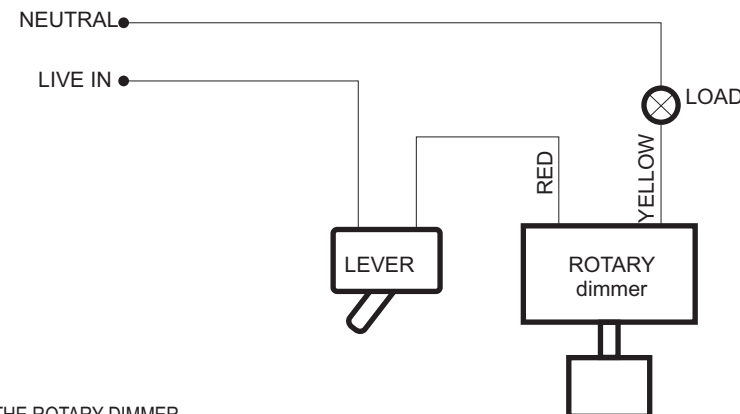
CAUTION:

Never connect the dimmer to any earth (green) or neutral (black) wires. When used on "Low Voltage" lights connect the dimmer in series with the live wire on the 230V side of the transformers, and NOT on the 12V side.

TROUBLE SHOOTING:

The dimmer gets hot, or has a burning smell
The dimmer is over-loaded, turn off and re-calculate the load.
The lights flicker -
The dimmer is under loaded. Replace 40-watt bulbs with 60 watt. OR
There are electronic transformers that are not suitable for dimming. Electronic transformers must be marked "suitable for dimming".
These Light dimmers have been tested for compliance with the S.A.B.S regulations regarding electronic magnetic interference levels.

ONE -WAY ROTARY DIMMING INSTALLATION



INSTALLING THE ROTARY DIMMER

After ensuring that the power is off remove the existing light switch, taking note of the existing connections.
One Lever Dimmer. Connect the live wire (usually red) to the center terminal of the switch and the load wire (red, yellow, blue or orange) to the yellow wire of the dimmer.
Two Lever Dimmer. Connect the live wire to the center terminals of both switches. Connect the load wire of the lights to be dimmed to the yellow wire of the dimmer. Connect the load wire of the lights to be dimmed to the end of the terminal of the spare switch.
Three Lever Dimmer. Connect the live wire to the center terminal of the dimmer switch, and both "line" terminals of the twin switch. Connect the load wire of the lights to be dimmed to the yellow wire of the dimmer. Connect the load wires of the lights to be switched to the "load" terminals of the split switch. Connect the green wire to the earth lug on the cradle plate.