orcomm®

Operation Manual

V1.1

Compliance And Standards:

The Digilux products use a IEEE 802.15.4 Zigbee mesh network to build and secure communications between all end points to allow wireless control.

The product complies with all the basic requirements and other relevant provisions of the 1999/5/EC directive using a TUV CE standard and process. For full details of this please contact support@orcomm.co.uk.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept and interference received, including that may cause undesired operation.

Installation of the product must be carried out by a qualified person conforming to all standards set out by law of intalled country.

Before you start:

Confrim that the devices are installed as per the installation manuals. Theses can be found at downloads.orcomm.co.uk
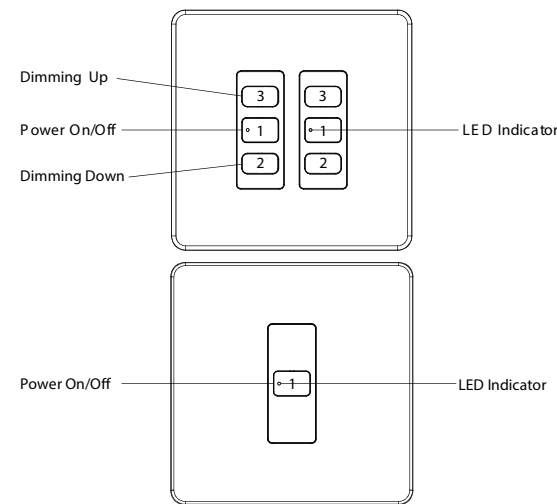
The following information can be used and applied to the entire Digilux lighting control range not just the 1 gang seen.

Areas covered:

• Dimming mode change

• Master and slave functions

• Upper and lower dimmer range trim

• Smart home pairing to gateway or smart screen

• Preset levels

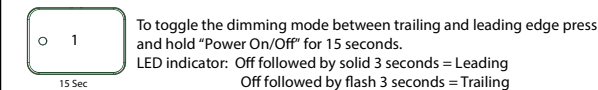Not all functions are applicable. Functions are depending on module type.

Button assignment:

- Dimming Up
- Power On/Off
- Dimming Down
- LED Indicator

- Power On/Off
- LED Indicator

Dimming mode: Trailing / Leading edge.

THE DEFAULT DIMMING MODE IS TRAILING EDGE.

Use this function to change the method of dimming. The method used will depend on the light source that is being used. Please refer to the lighting manufacturer datasheets/manuals.

To toggle the dimming mode between trailing and leading edge press and hold "Power On/Off" for 15 seconds.
LED indicator: Off followed by solid 3 seconds = Leading
Off followed by flash 3 seconds = Trailing

Dimming trim: Upper / Lower.

Every lighting manufactur's product has its own dimming bands. Use this function to trim out any "dead band" where no visiable light changes happen when pressing "up" or "down".

Upper Limit :
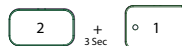Press and hold "up" and "power" for 3 seconds.
LED will blink rapidly.

Using the "up" and "down" buttons set the light leval output to a leval that is concidered as maximun light output. Where the highest level of light is acheved. Do not go beyond this.

Press the "power" button to save setting.
LED will blink 3 time to confirm.

Lower Limit :
Press and hold "down" and "power" for 3 seconds.
LED will blink rapidly.

Using the "up" and "down" buttons set the light level output to a leval that is concidered as minimun light output. Where the lowest level of light is acheved. Do not go beyond this.

Press the "power" button to save setting.
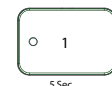LED will blink 3 time to confirm.

Please note, setting this too low might make the light output unstable.
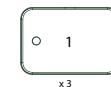
Smart home pairing:

To use the digilux switch with the Orcomm lighting gateway or smart screen it needs to be paired together. To do this the unit needs to be set to Discovery mode.

Ensure that the gateway or smart screen is in setup mode before continuing. Refer to the individual product manuals to see how to do this.

To enable discovery mode press and hold "power" for 5 seconds.
The LED indicator will start to blink.

Press "power" 3 times
LED indicator will blink 2 times

Once the unit has been successfully paired with the gateway or smart screen the LED indicator will blink 3 times.

Multi-Way control:

To allow multi-way control of the lighting circuit the selected modules will need linking togther using the smart gateway or the smart screen. No connection between the switches is needed.
Master - The main unit where the lighing circuit is terminated.
Secondary - The remote module that is used to control the master unit.

*See user manuals for the lighting gateway or smart screen for more information.

Dimming:

Dimming Up:

Single pressing "up" increases light levels in 10% steps.
Press and hold "up" inceases light level in 2% steps.
LED will blink when the maximun level is reached.

Dimming Down:

Single pressing "down" decreases light levels in 10% steps.
Press and hold "down" deceases light level in 2% steps.
LED will blink when the minimun level is reached.

Warranty:

Orcomm provides warranty for this product against defects due to workmanship or materials but does not cover damage or breakdown due to; normal wear, abuse, improper maintenance, disassembly of parts, scratches to the finish (Normal Wear) attempted repair, natural disaster and force majeure.

The warranty excludes, among other item; installation, providing access to products and special incidental and consequential damages. (Loss of revenue / profits, damages to property or miscellaneous cost not previously mentioned).

Subject to the conditions as set forth by the "Conditions of warranty" and set forth hereunder, the purchaser receives the RTB warranty for the applicable period of 2 years.

Conditions of warranty:

This warranty covers products within their intended or normal use as defined by the following:

Operation conditions are in accordance with the information on the product, datasheet and its packaging.
The warranty periods starts from the date of invoice.
The products have been properly installed and operated in accordance with the manufacturer's instructions.
Adequate records of operating history are retained and available to the manufacture for review.
We will have access to the defective product, if the product or other components become suspect, then we have the right to evaluate the lighting system with the assistance of a third party.

Ambient temperatures never exceed the operation temperature range of -10'C to +40'C
Relative humidity in the installation location never exceeds the range of 20% - 85% RH
Product are not subjected to more than 50,000 switched cycles.
The electrical installation in which the product operates is not subjected to voltage fluctuatons in a range exceeding 230 VAC +- 10%.
Labour cost for installation or de-installation of the products are not covered under this warranty.

Orcomm cannot be held liable for electrical supply conditions, including spikes, over / under voltage and ripple current control systems that are beyond the specific limits of our products and those defined by relevant installation and environmental standards.

Warranty claims:

Warranty claims have to be reported to Orcomm within 20 days of discovery, specifying the following information. Part code, batch number, installation date, number and percentage of failures, application, hours used and estimated number of cycles.

Maintenance of devices:

Keep the surface clean with a dry cloth or appropriate cleaner containing no acids, benzene, thinners, or solvents. The use of the above may cause damage to the casing or the surface finish / colour.

Failure to follow theses directions could invalidate all warranties.

Returns policy:

Return shipping even if the item is defective should be paid for by the buyer.

We do not provide any refunds as per our terms of sales.

Full details of returns are covered in our standard terms of sales agreed to upon account opening.

Operation and further information:

Full operation and user manuals are available from downloads.orcomm.co.uk

Support and aftercare:

In the event of support or aftercare please email: support@orcomm.co.uk

Dimming Performance:

Orcomm cannot be held liable for dimming performance due to 3rd party lamps, environmental factors, power supply and site configurations.

It is highly advised that performance testing is undertaken with chosen light sources before permanent installation takes place.