

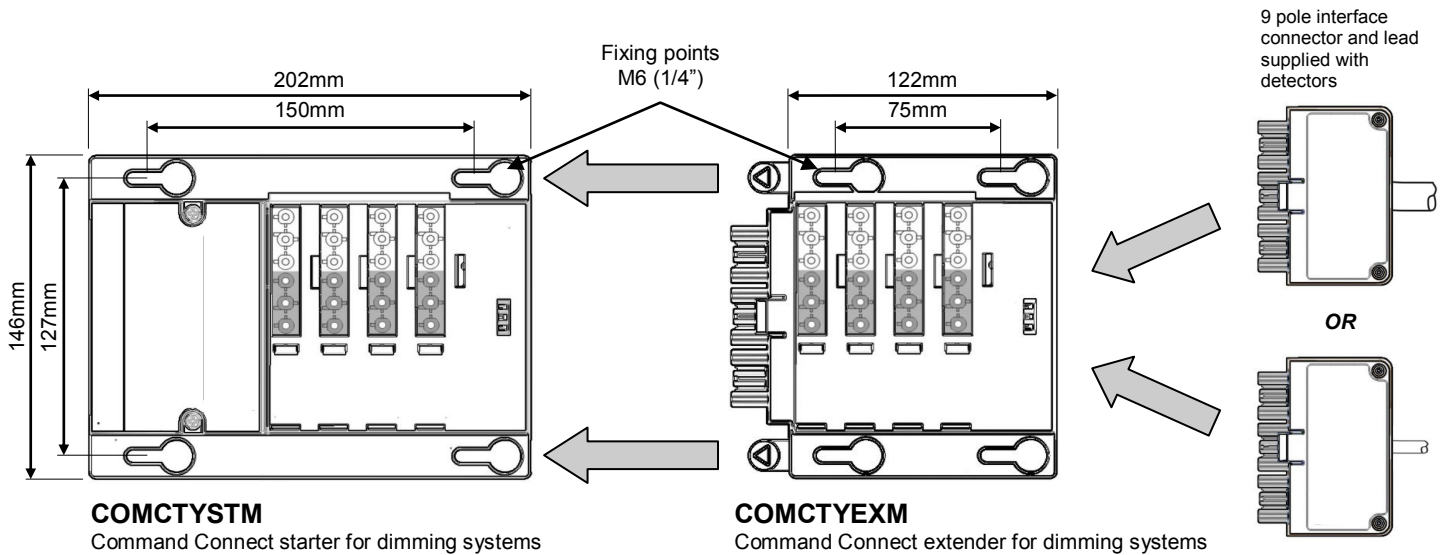
## COMCTYSTM & COMCTYEXM

### Command Connect - Dimming Modules

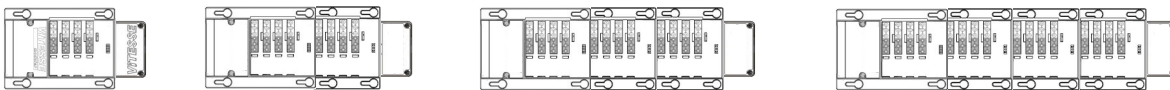
#### Overview

The Command Connect system is a cost effective method of providing power and control for lighting installations in industrial, commercial and retail buildings. The system is designed for ease of installation: mains input is connected using the spacious wiring compartment; control inputs and outputs are pluggable using industry standard connectors. The modular approach allows for between 4 and 16 luminaires to be connected. The COMCTYSTM is for use with dimming luminaires. The COMCTYSTM-SELVMOD converter provides SELV switch inputs to allow digital dimming whilst also overcoming the requirements of the IEE 17<sup>th</sup> edition wiring regulations cost effectively.

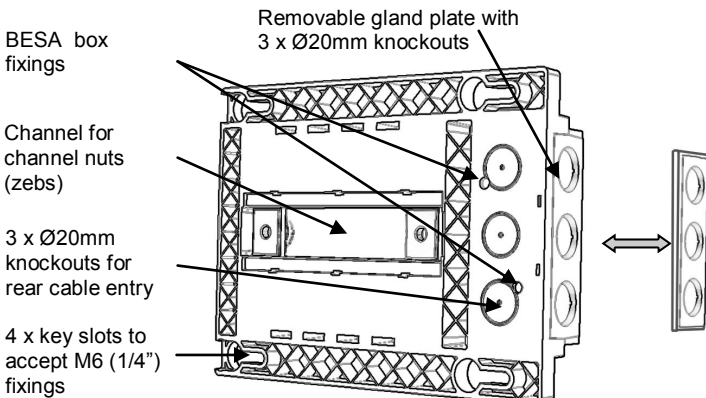
#### System Components



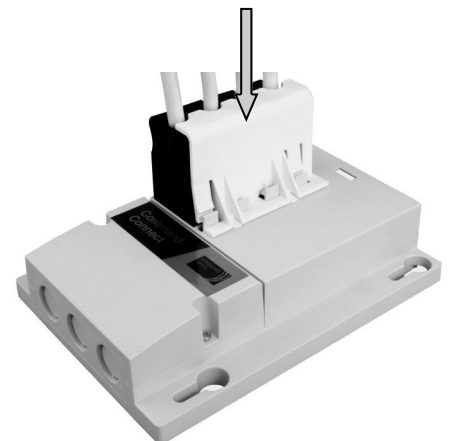
**Height - allow 150mm for total height of unit (including connectors and cable)**



#### Installation



Latching Clip

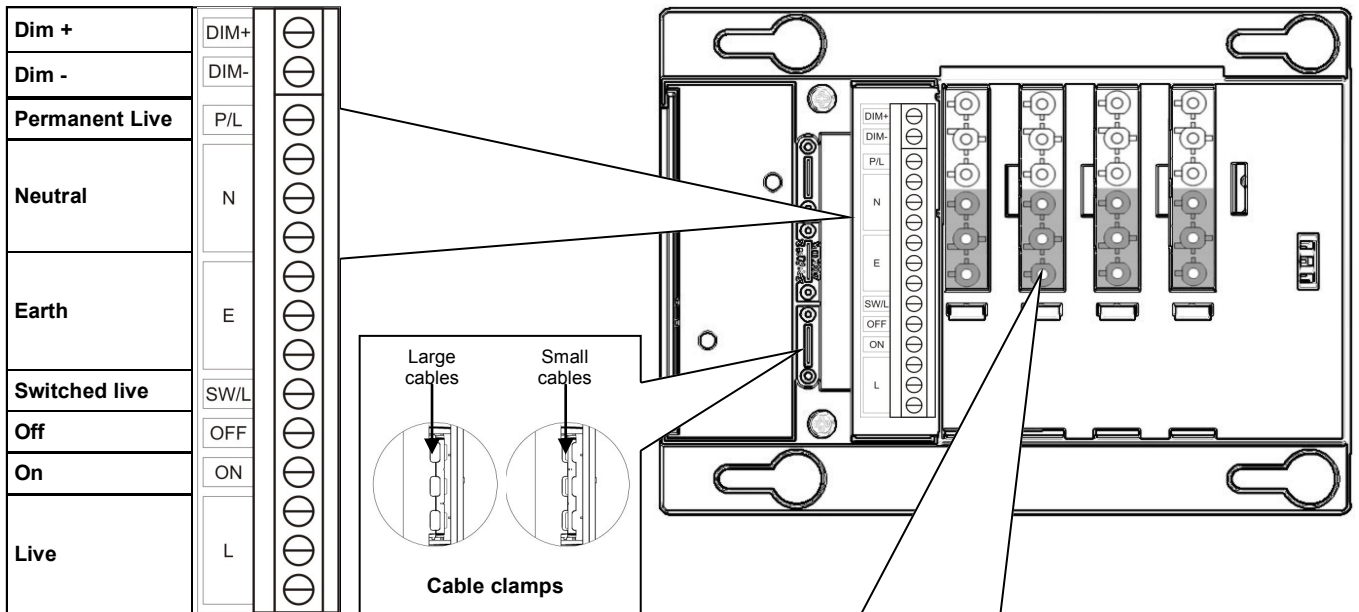


**Warning.** This device works at mains voltage. Be sure to take care when working with electricity.

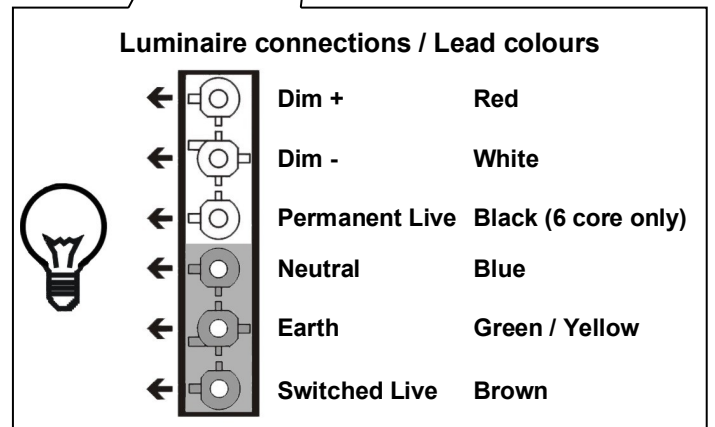
- The box should be fixed on a smooth, flat surface or using drop rod fixings attached to channel nuts.
- Ensure that there is easy access to the wiring compartment and all connectors once the box is in-situ.
- All luminaires should be connected prior to power up the sensor. If any luminaires are installed or re-installed after power up then the power to the sensor should be cycled off and on.**

To secure the dimming 6-pole plugs to the Command Connect module, use the supplied dimming latching clip. Insert plugs into the module first, and then place the holes on the base of latching clip over the 4 raised clasps on the module. The latching clip is secured by pressing down until a positive 'click' is heard and the plugs are all notably retained in the module.

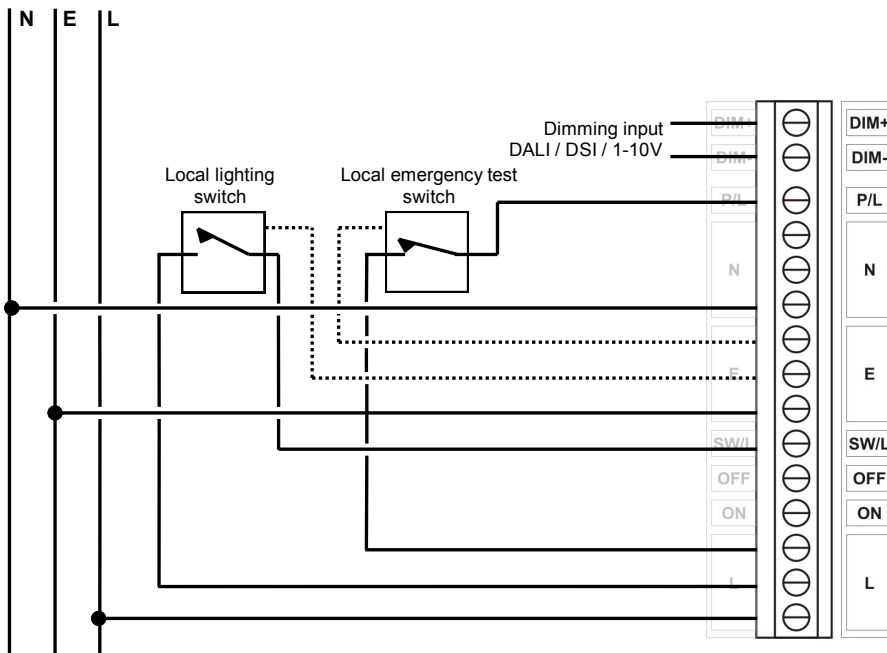
# Wiring



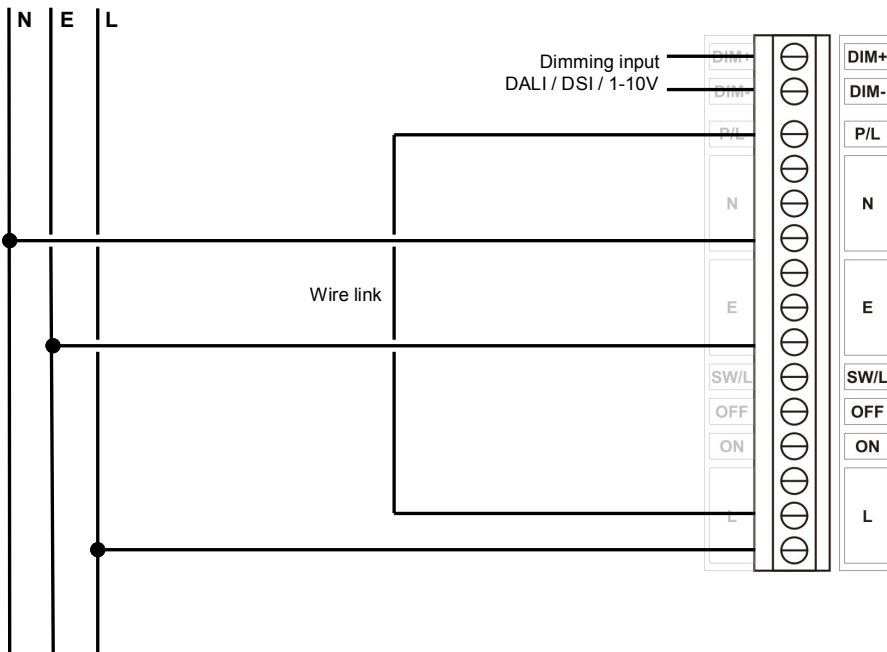
- All wiring should be mains rated.
- Remove wiring compartment cover.
- Wire the box using the diagrams opposite
  - Permanent live** feeds emergency fittings
  - Off/On** connects switches through to detectors
  - Switched live** turns the lights on and off
- Use the cable clamps to secure the wiring or use cable glands (not supplied). The clamps can be split, and flipped over to clamp different cable diameters. Secure using the six long screws.
- Replace wiring compartment cover using the 2 short screws.
- Plug in the luminaires.
- Fit latching clip.



## Local lighting switch and local emergency test switch



## Emergency test using power interruption



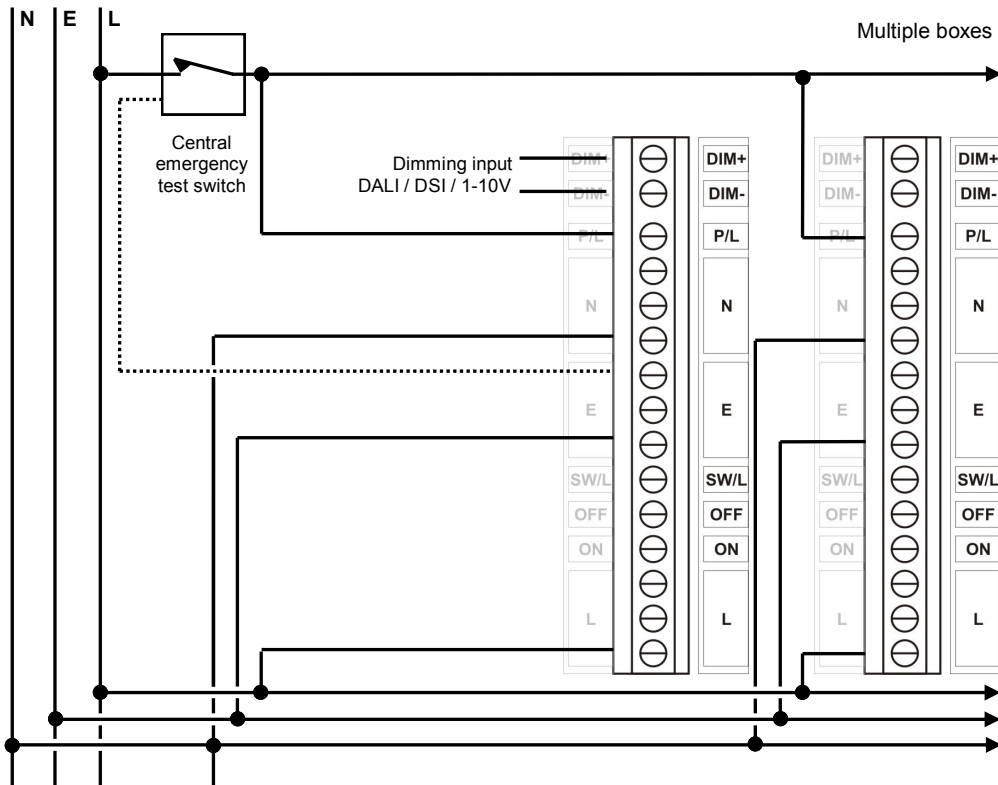
A local lighting switch may still be used when there is a central emergency test switch or when a circuit breaker is used to interrupt the power.



**DO NOT WIRE ACROSS PHASES**

# Wiring & Emergency Test

## Emergency test using central switch



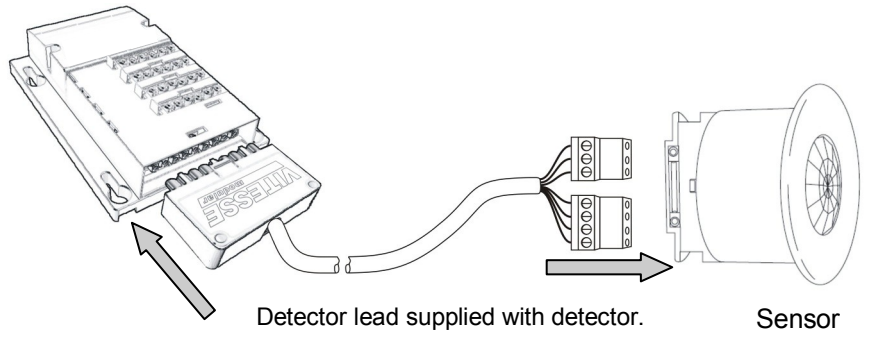
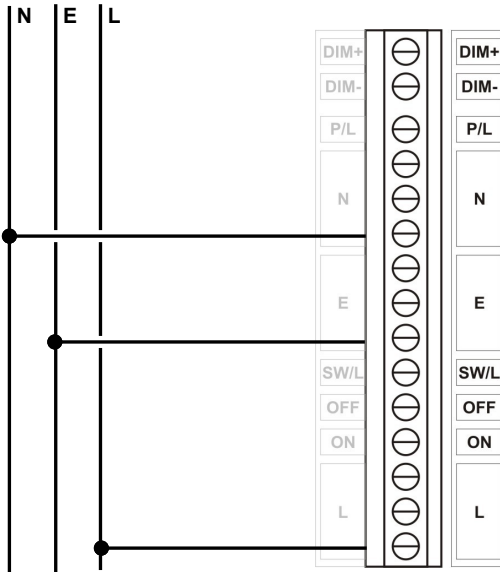
A local lighting switch may still be used when there is a central emergency test switch.



**DO NOT WIRE ACROSS PHASES**

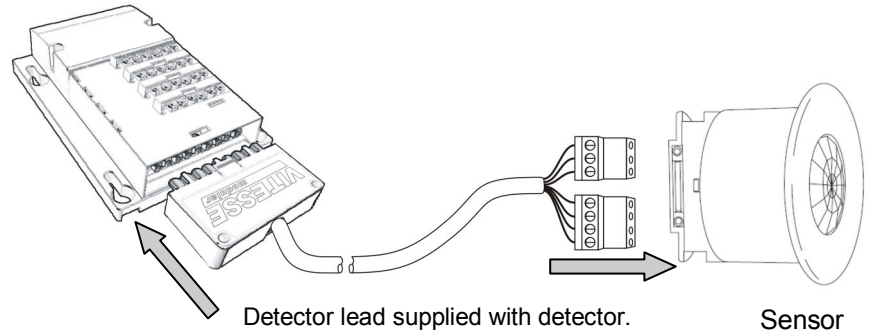
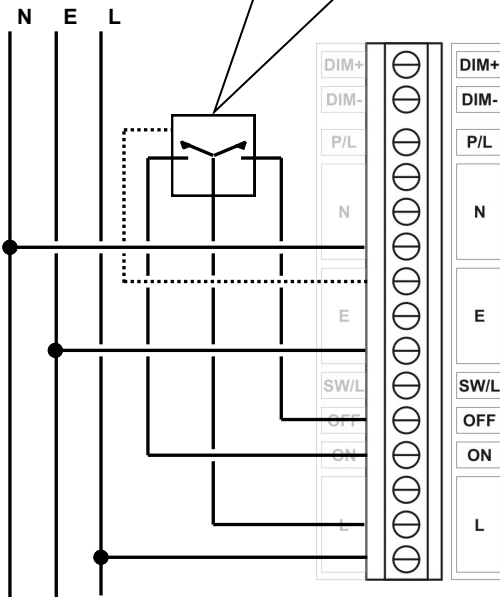
# Presence detector connections - no switches

## Automatic on, automatic off



## Absence/presence detector connections - with switches

- Centre biased retractive wall switch (part no. MK K4900 or equivalent).
- Press and release to provide On/ Off switching; press and hold to provide Up / Down dimming.



### Switch operation

- Up position
  - Short press on
  - Long press dimming level up
- Down position
  - Short press off
  - Long press dimming level down



**DO NOT WIRE ACROSS PHASES**

# COMCTYDM Dimming Module

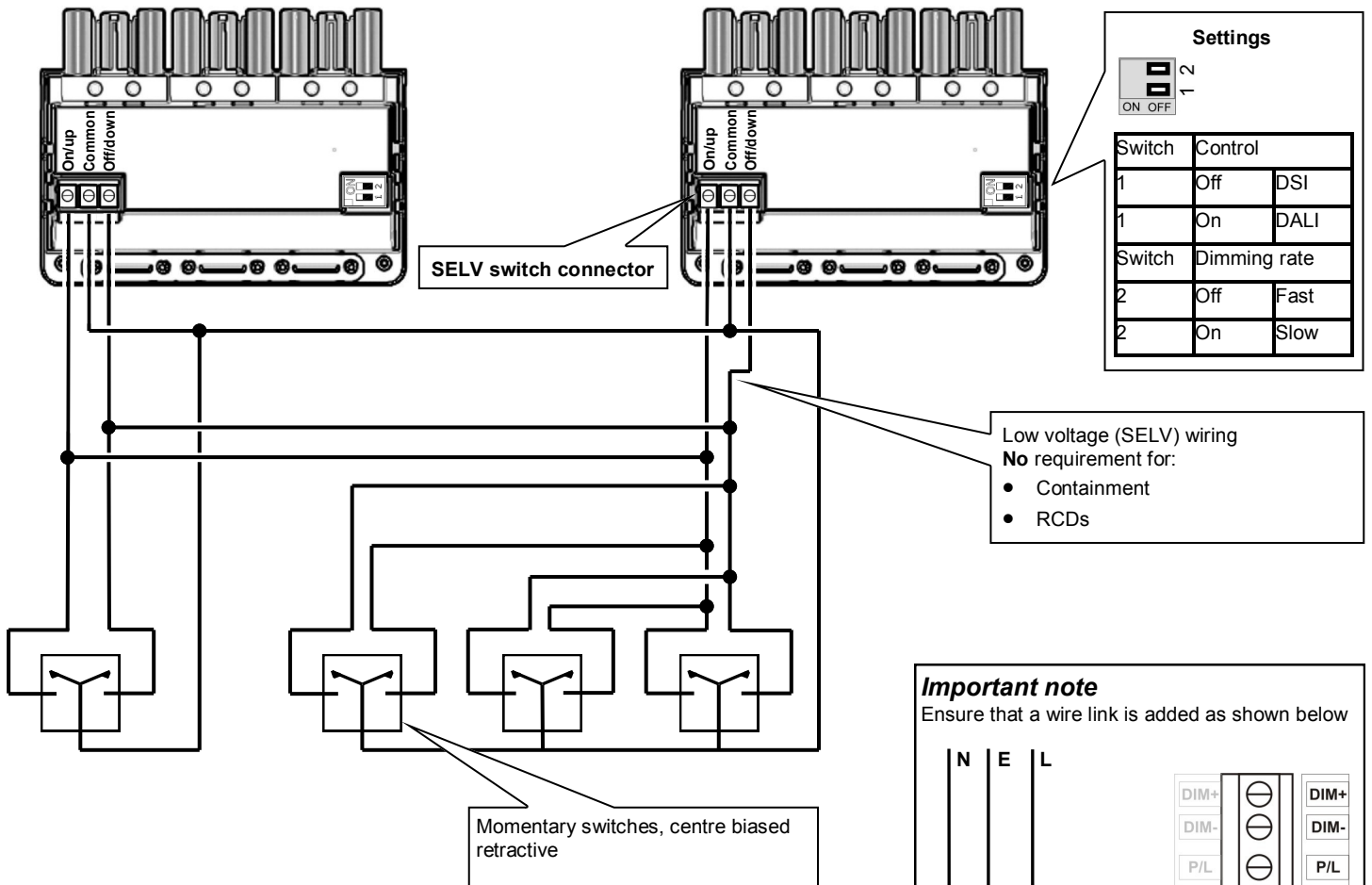
## Features

- No mains voltage switch wires routed along walls removes the need for RCD protection under the IEE 17th Edition regulations.
- The COMCTYDM module allows switches in parallel for 2-way and intermediate switching.
- The same switch can be used when multiple Command Connect boxes are connected to different phases.
- Selectable for DALI or DSI digital dimming control. Luminaires must be fitted with suitable dimming ballasts; up to 20 ballasts can be controlled.
- Two speeds of dimming rate selectable.

## Operation

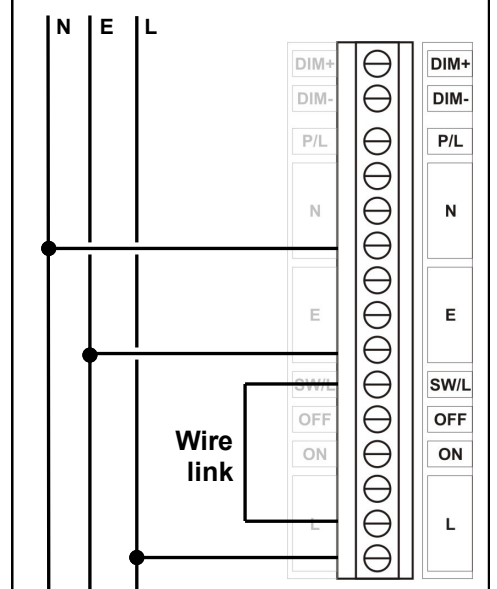
- Up button
  - Short press on
  - Long press dimming level up
- Down button
  - Short press off
  - Long press dimming level down

## Wiring Diagram



### Important note

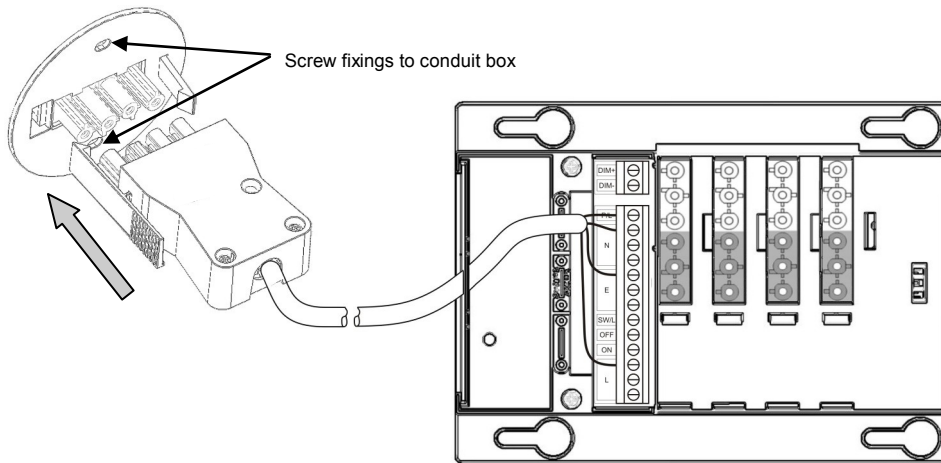
Ensure that a wire link is added as shown below



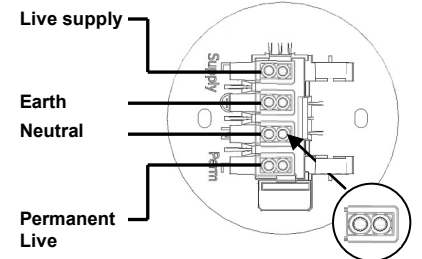
# Ceiling rose / conduit box connection

## Conduit box to COMCTYSTM mains wiring

Use a COMCTSR when there is a need to take power from a conduit box. Plug the connector into the COMCTSR and wire the other end of the lead into the terminals of the COMCTYSTM. A pre-wired version is available, COMCTYWSTM.

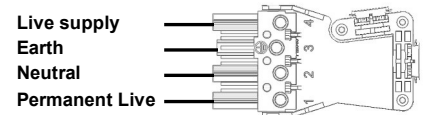


## COMCTSR mains wiring



Each pole has **two** screw terminals.  
Each terminal accepts 1 x 2.5mm<sup>2</sup>

## COMCTSR connector wiring



## Part numbers

### Modules

COMCTYSTM	Starter module (Dimming)
COMCTYEXM	Extender module (Dimming)
COMCTYWSTM	Wired starter module (Dimming)

### Presence / Absence Detectors

COMCTYRC	Recessed PIR Presence/Absence Detector (Dimming)
COMCTYRG	Recessed Microwave Presence/Absence Detector (Dimming)
COMCTYRE	Recessed Tilting Microwave Presence/Absence Detector (Dimming)

### Accessories

COMCTYDM	Dimming Connector Module
COMCTSR	Starter Rose

## Ratings

Voltage	230VAC +/- 10%
Frequency	50Hz
Terminal capacity	4mm <sup>2</sup> in wiring compartment
Temperature	0°C to 35°C
Power	Rating of system 16A. Rating of each output 10A COMCTYSTM-SELVMOD—control of up to 20 ballasts
Compliance	BS 5733:1995



UK Patent no. GB2463063  
EU patent pending  
EU registered design no.  
001587544-0001, 001587544-0002



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### IMPORTANT NOTICE!

This device should be installed by a qualified electrician in accordance with the latest edition of the IEE wiring regulations.

**For lighting purposes only with suitable circuit protection. For fixed wiring only**