

## Different variants of light control

The following text gives an overview of different variants of light control. The structure of the individual chapters is identical and includes:

- \_ A brief description of the different variants
- \_ Wiring diagrams that show how the variants can be implemented
- \_ Links to further information

### 1. one4all

The one4all technology is the basis for the implementation of the different light controls. one4all stands for automatic detection of the control signal, which is connected to the D1, D2 interface. This can be DALI, DSI, switchDIM, corridorFUNCTION.

The device automatically detects the connected signal and automatically switches to the correct operating mode. A sensor connected to the Smart Interface is also automatically detected.

The one4all interface offers the choice between simple, manual control via push button, interference-free, precise digital control via DSI or single-addressable control via DALI. This means that a luminaire, equipped with digitally dimmable LED Drivers can be used for different control variants - without rewiring.

## 2. switchDIM

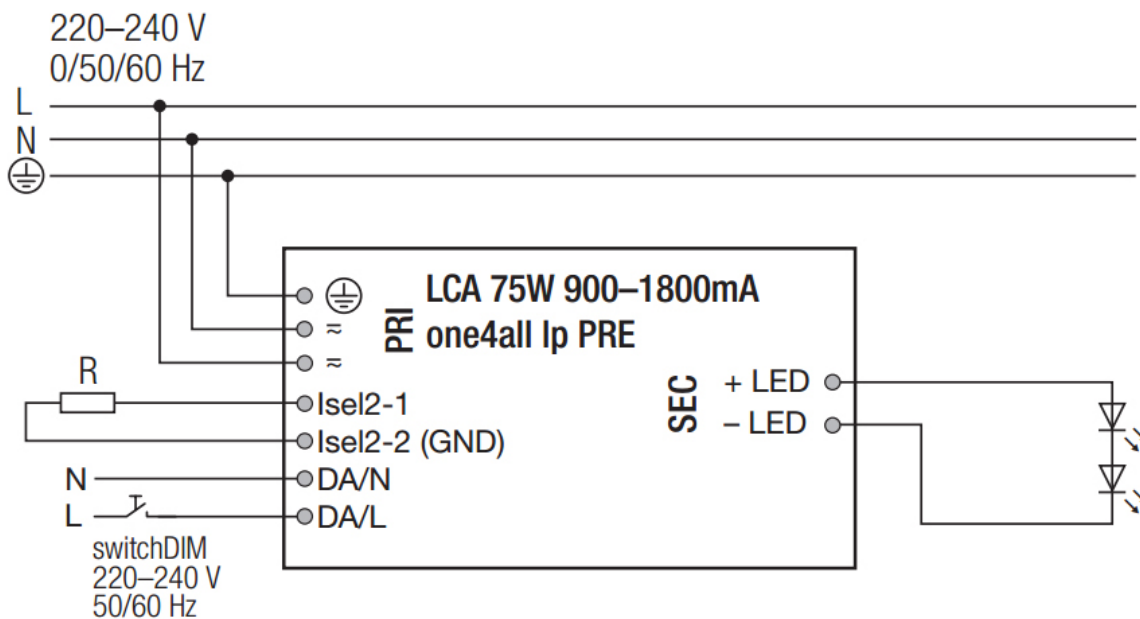
### 2.1. Description

With the switchDIM function it is possible to use the mains voltage as a control signal. The phase of a simple standard mains voltage push button is connected to the terminal marked DA/L and the neutral conductor is connected to the terminal marked DA/N.

#### NOTICE

The number of device per push button is theoretically unlimited. To minimise the risk of asynchronous function we recommend to only connect a maximum of 25 devices per push button.

### 2.2. Wiring



### 2.3. Further information

- \_ <http://www.tridonic.com/com/en/products/switchdim.asp>
- \_ <http://lightweb.zumtobelgroup.com/display/teamcs/SwitchDIM>
- \_ <http://lightweb.zumtobelgroup.com/display/teamcs/SwitchDIM+Manual>
- \_ <http://lightweb.zumtobelgroup.com/display/teamcs/SwitchDIM+Commands>



### 3.3. Further information

\_ <http://www.corridorfunction.com>

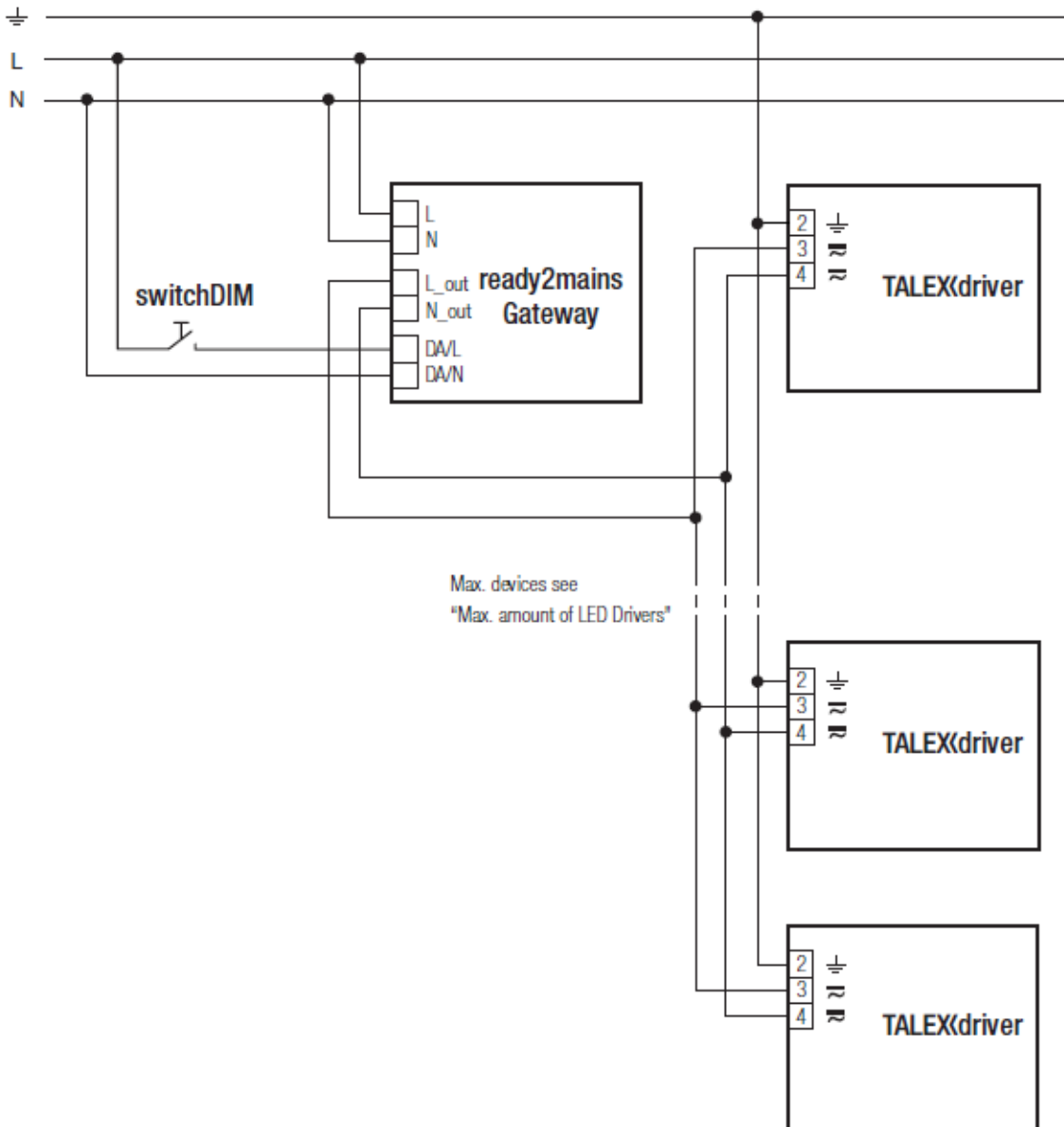


## 5. ready2mains

### 5.1. Description

ready2mains uses the mains cable to transmit information: easily, reliably and professionally. Luminaires are controlled and dimmed directly via the mains, with no need for any additional wiring. ready2mains can be used to configure both drivers with a separate communication interface as well as fixed output drivers. The configuration saves time and is very flexibel. ready2mains reduces production costs and installation costs and also reduces possible sources of error.

### 5.2. Wiring



### 5.3. Further information

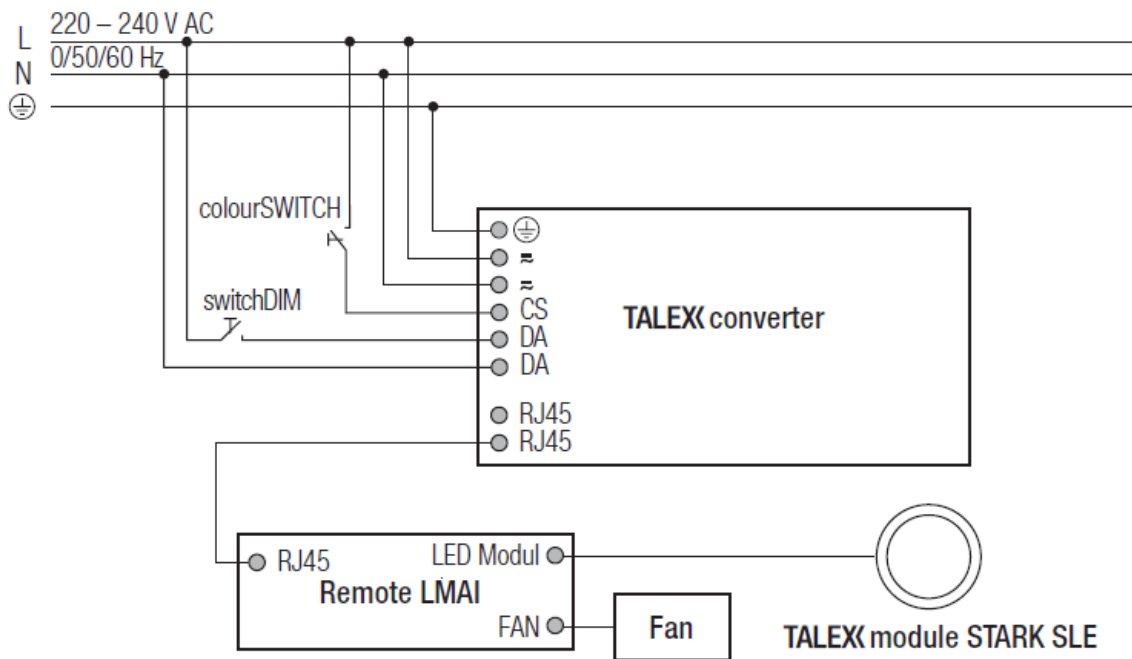
\_ <http://www.tridonic.com/com/en/products/luxcontrol-ready2mains.asp>

## 6. colourSWITCH

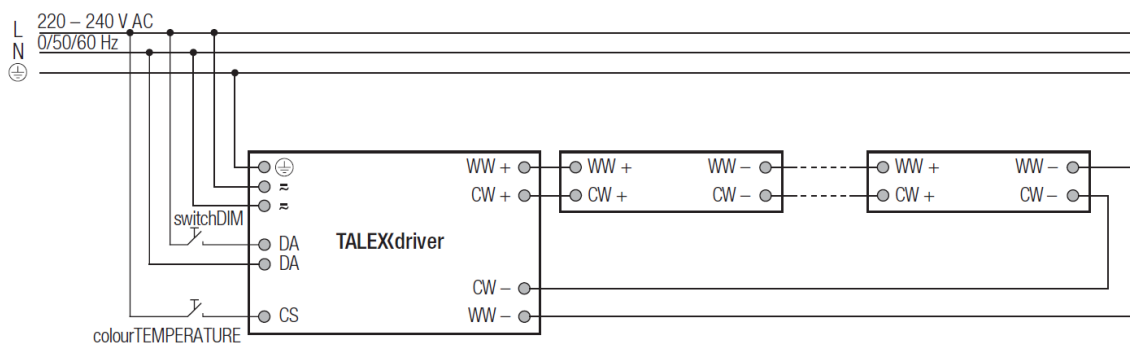
### 6.1. Description

The wiring diagram shows the connection between an LED Driver and up to two SLE PRE KIT and LLE PRE TW modules and the connection between the LED Driver and the power supply. The integrated switchDIM and colourSWITCH functions are operated via appropriate momentary-action switches.

### 6.2. Wiring SLE PRE KIT



### 6.3. Wiring LCAI LLE PRE TW





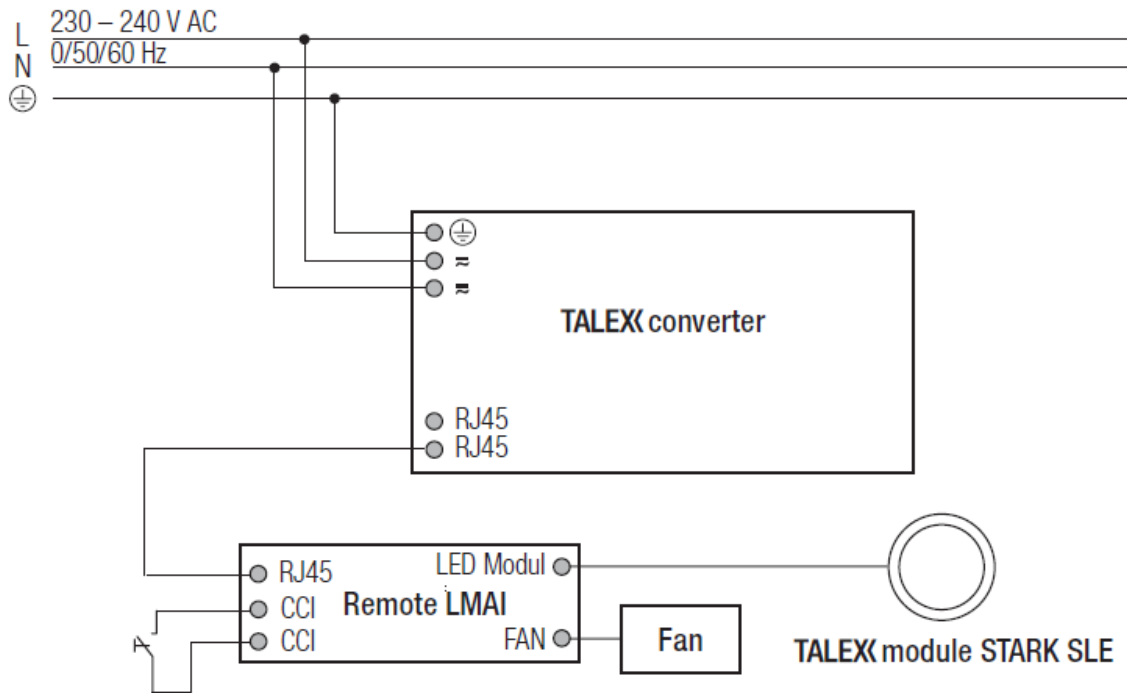
## 6.4. Further information

\_ <http://www.tridonic.com/com/en/about-tunable-white.asp>

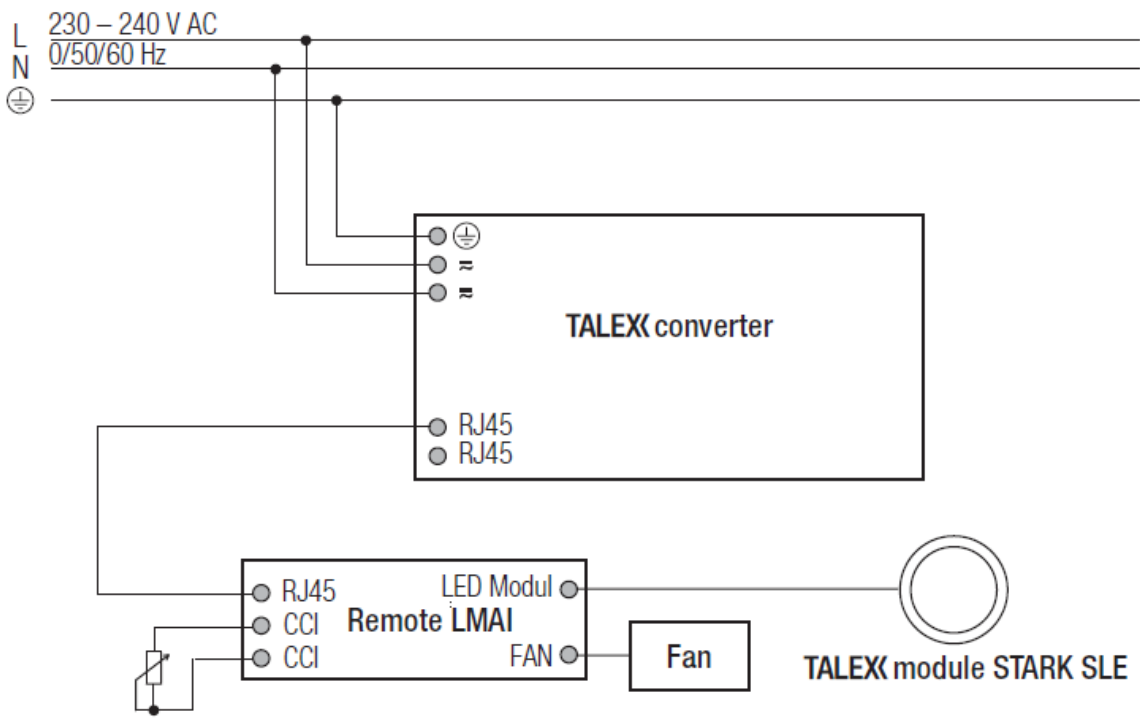
## 7. Colour Control Interface of LMAI

### 7.1. Wiring

Operating with single momentary-action switch



### Operating with continuously variable potentiometer

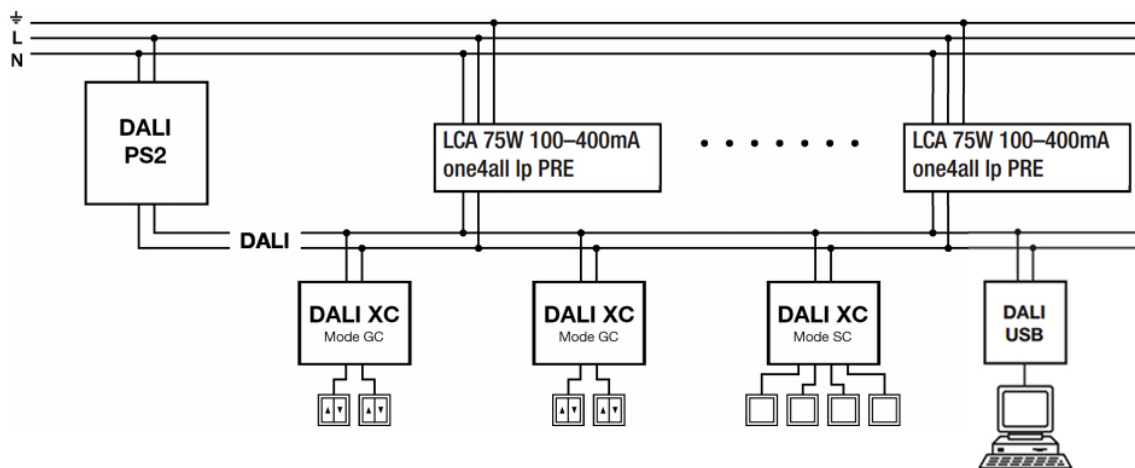


## 8. DALI XC

### 8.1. Description

The DALI XC is a device with four inputs for controlling lighting with single momentary-action switches, double momentary-action switches and standard switches, which can be combined in some operating modes. The DALI XC is supplied by the DALI control line. For this reason, a device that provides the voltage supply is required for use in a lighting system (e.g. DALI PS2).

### 8.2. Wiring



### 8.3. Further information

[\\_ http://www.tridonic.com/com/en/products/dali-xc.asp](http://www.tridonic.com/com/en/products/dali-xc.asp)