



multiload

Rotary Push-control Wall Dimmer RPC series

0-10V dimming and switching rotary module
to fit into plates and grid systems

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Product order codes

RPC1

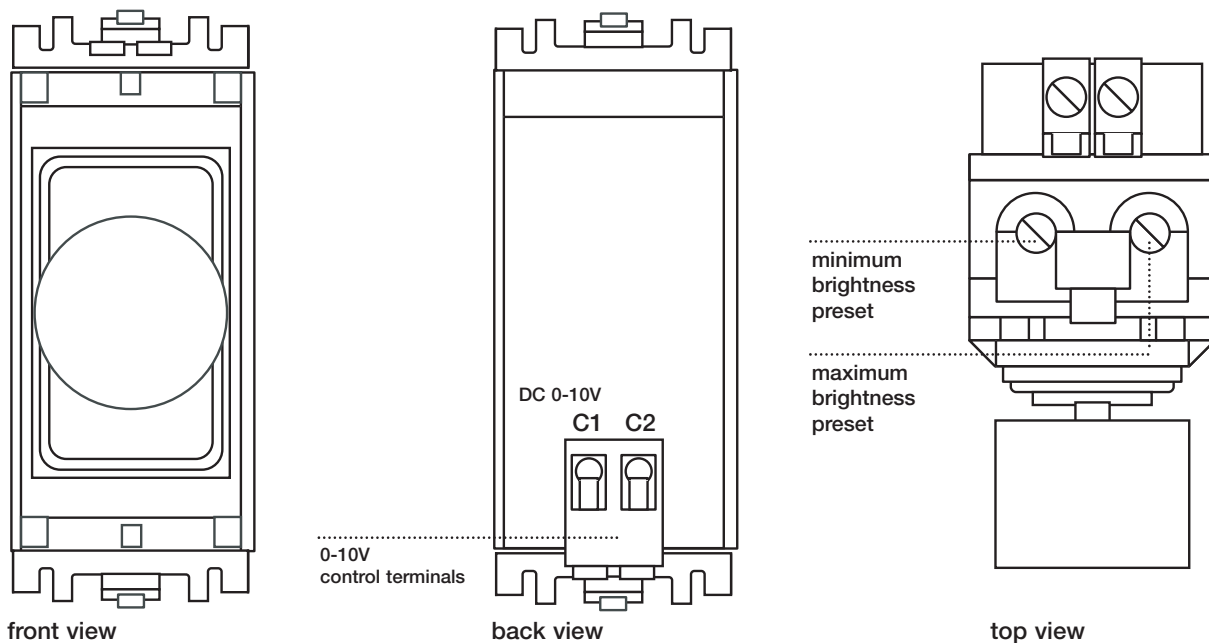
2-wire control of a single drive unit
or a Multiload dimming and switching
product

RPC2

2-wire control of between 2-20 drives
or Multiload dimming and switching
products



Technical specification and installation



Modules can be supplied to fit wall plates and grid systems from UK wall-plate manufacturers. Contact Multiload on +44 (0)20 7794 9152 to ensure compatibility with specified plate type and finish. Shown above is module supplied for fitting into MKGridPlus.

Functions

Rotary Push-control Wall Dimmers RPC provide 2-wire control, dimming and switching, of control gear accepting 0-10V and 1-10V signals.

This control gear includes Multiload products such as:

- **Lighting Contactors LC series**
mains switching and boosted 0-10V and 1-10V dimming
- **Trailing-edge Dimmer ADT400**
with internal relay for mains switching
- **Leading-edge Dimmer AD2500**
with internal relay for mains switching
- **LED drivers** dimmable to zero such as LEDrose LDR100
- **Other manufacturers** control gear accepting 0-10V or 1-10V signals that source 100mA at 10V at the signal input with RPC

Technical specification

RPC1 for a single drive only

RPC2 for 2 to 20 drives

This module can be wired to a number of LED drivers or fluorescent ballasts or other 0-10V and 1-10V controlled drive units. The control signal is stabilised so that adding or removing a drive unit will not materially affect the brightness.

Signal output: 0-10V DC (sink current capability only, allowing use with standard drives, such as LED drivers and fluorescent ballasts)

Dimensions:

MK module L:50mm W:25mm D:30mm
Knob Diam: 20mm H:13mm
Fixing: Bush M10
Shaft:6mm

Installation and set up procedure

Installation should be carried out by suitably qualified personnel in accordance with good electrical practice and the appropriate national wiring regulations.

Switch off mains electrical supply before commencing installation.

The device may be used for interior installations in dry locations with suitable surface plates fitted.

Terminals C1 (-ve 0V) C2 (+ve 0-10V)

Low voltage 2-wire 0-10V analogue control by rotation of the control knob.

Setting minimum and maximum brightness

Easy access minimum and maximum brightness screwdriver presets set the dimming range covered by the rotary control. Set the minimum preset first: setting the maximum will not affect minimum setting. Brightness levels are not affected by temperature changes around the module.

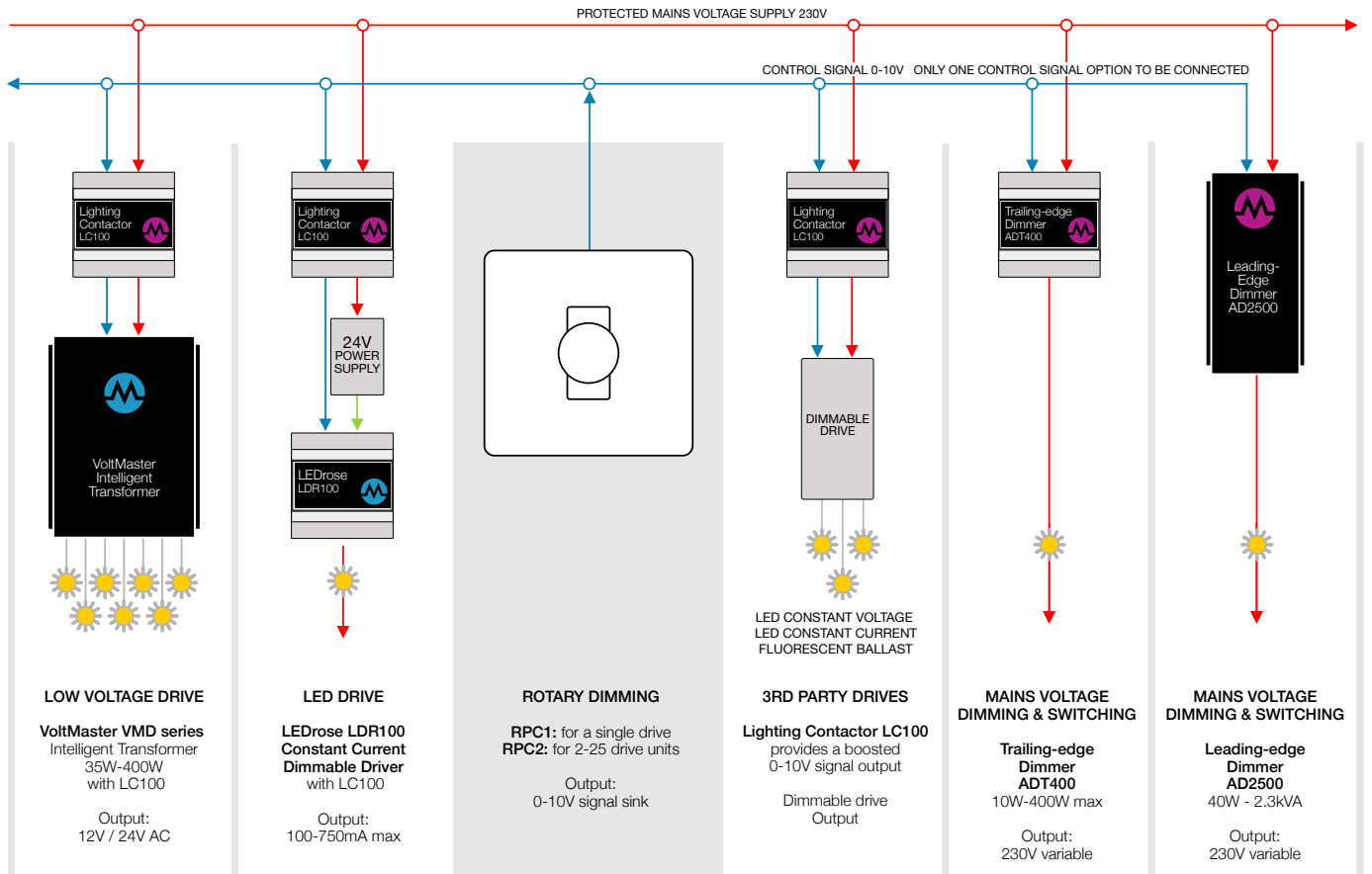
Environmental specification

Temperature range: -10°C – +50°C

Maximum humidity: Less than 95% non-condensing

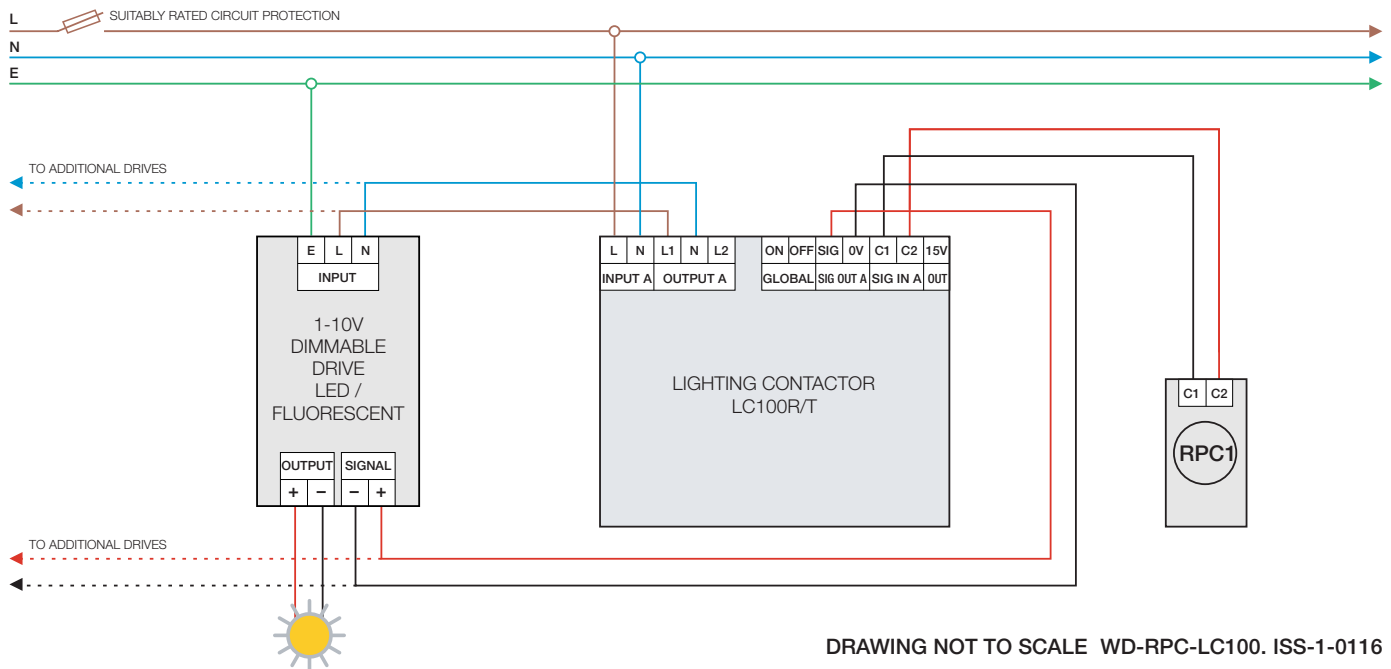


Rotary Push-control Wall Dimmer RPC related product options



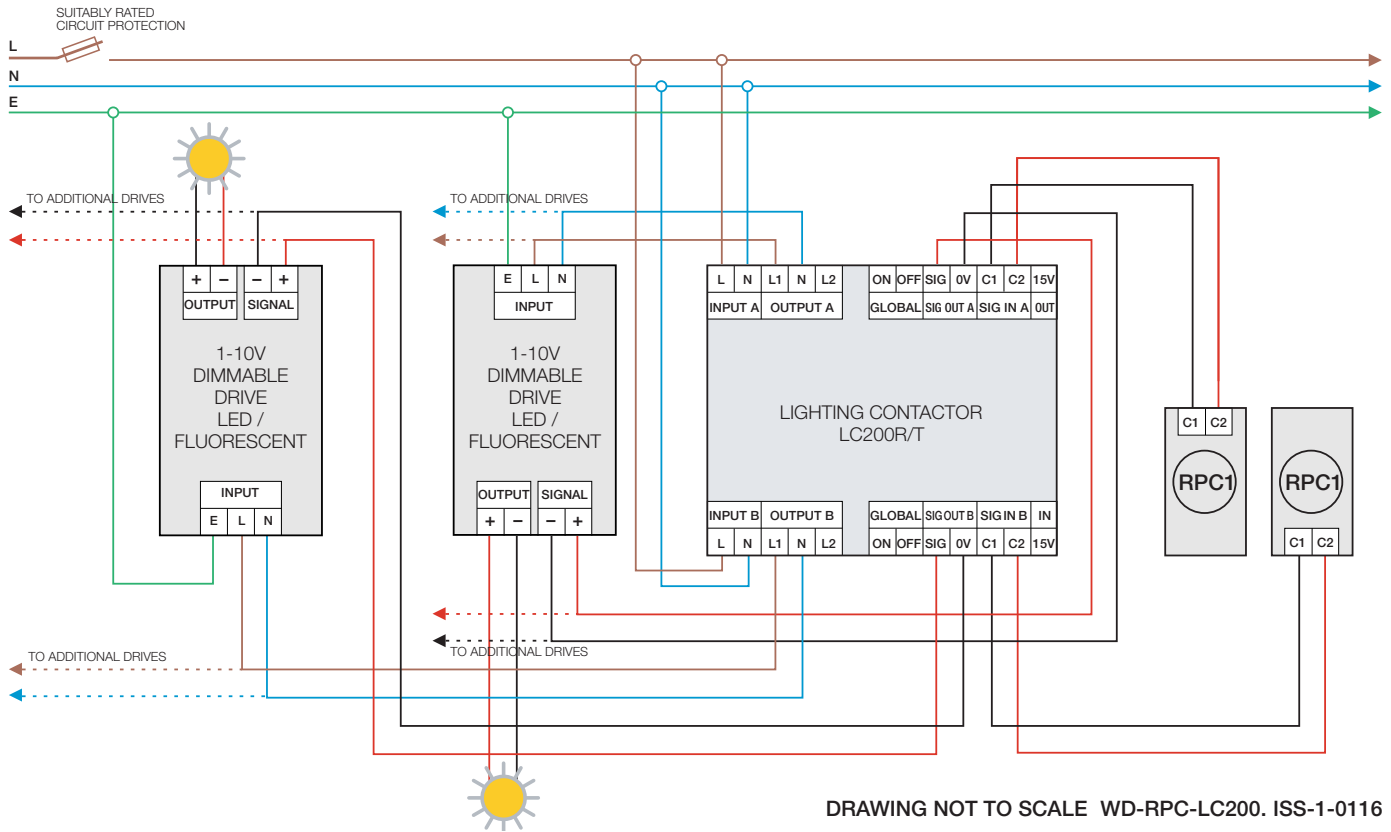
RPC1 wired to Lighting Contactor LC100R/T

Both dimming and mains switching activated from Rotary Push-control Wall Dimmer using only 2-core signal cable

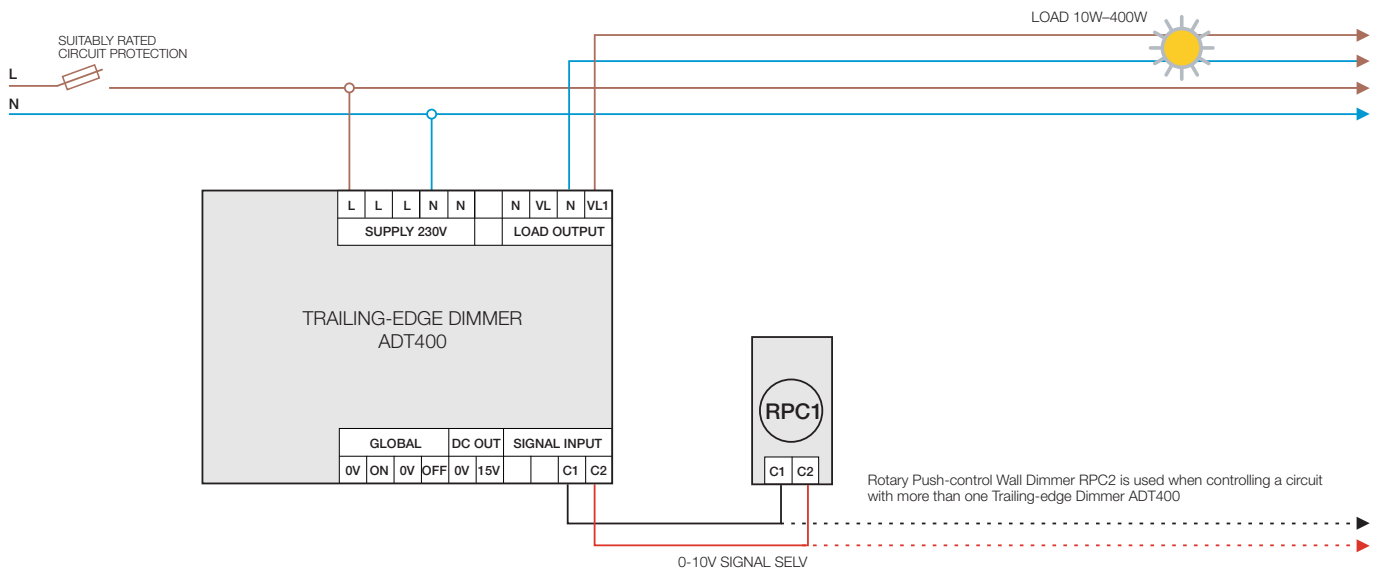




Two RPC1s wired to Lighting Contactor LC200R/T

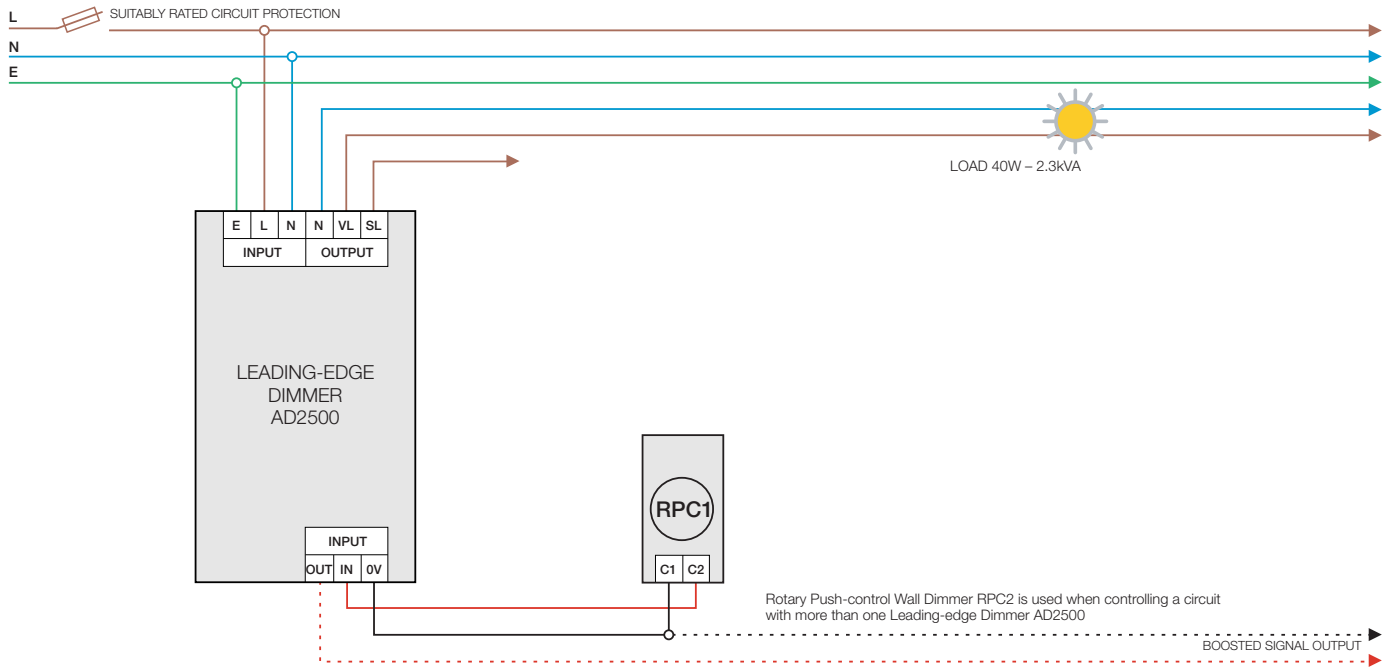


RPC wired to Trailing-edge Dimmer ADT400



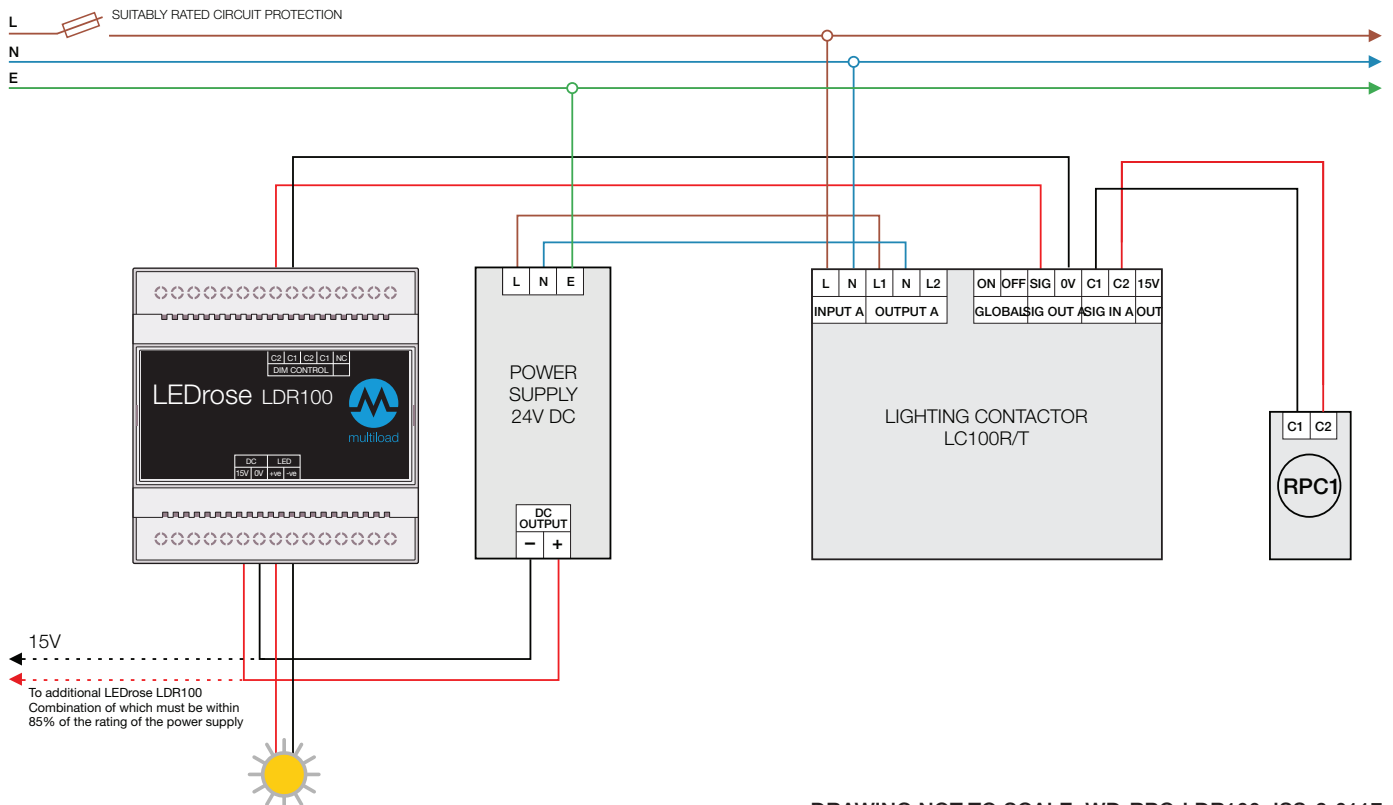


RPC wired to Leading-edge Dimmer AD2500



DRAWING NOT TO SCALE WD-RPC-AD2500. ISS-1-0116

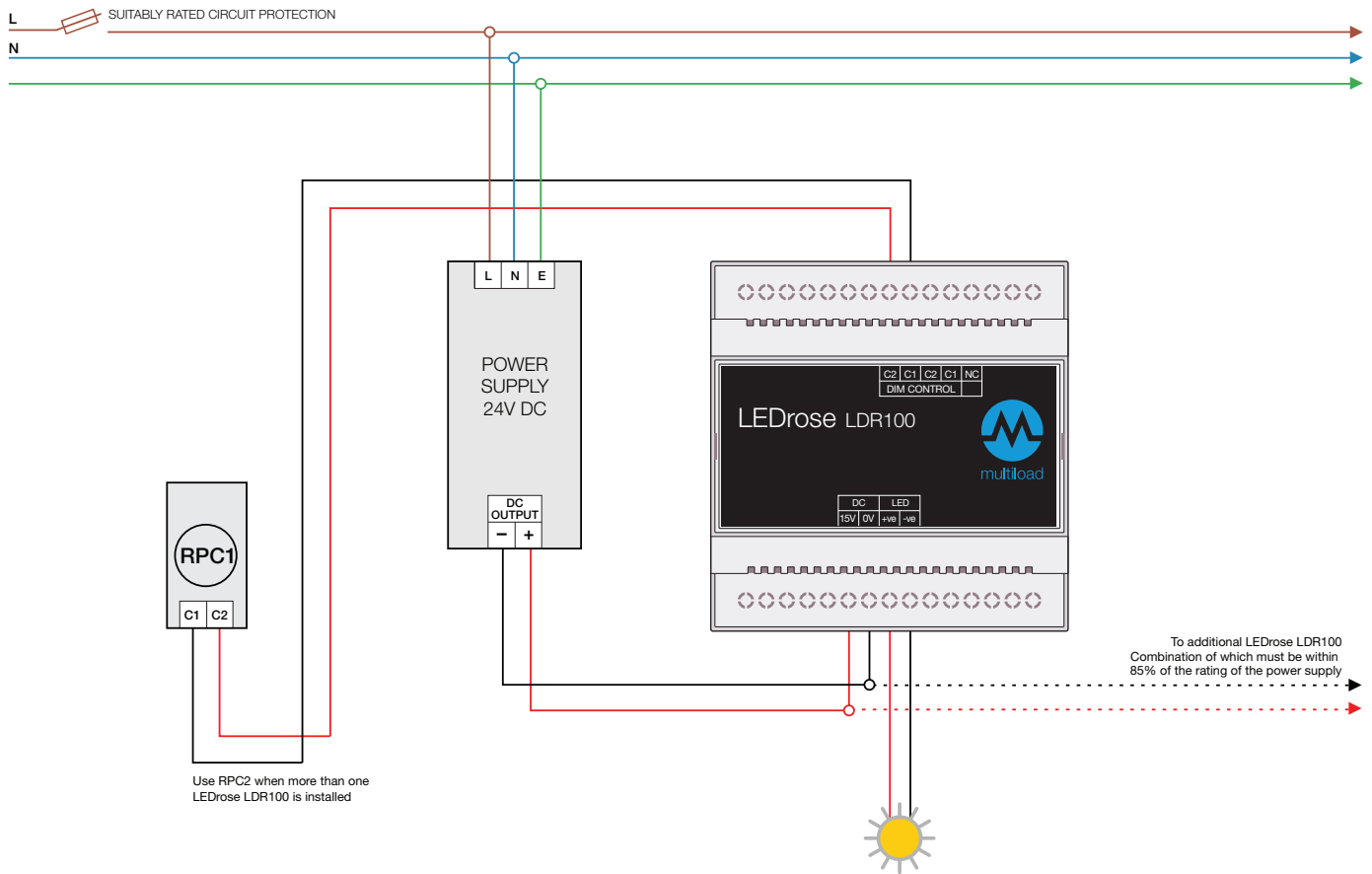
RPC wired to LEDrose LDR100 with mains switching



DRAWING NOT TO SCALE WD-RPC-LDR100. ISS-2-0117



RPC wired to LEDrose LDR100 without mains switching



Use RPC2 when more than one LEDrose LDR100 is installed

DRAWING NOT TO SCALE WD-RPC-LDR100. ISS-2-0117