



300 SERIES

PDL Technical Wiring Brochure

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Life Is On



by Schneider Electric

Wiring Guide

Mechanical & Electronic Solutions



Overview

PDL 300 Series introduces new features designed to enhance functionality, aesthetic appeal, and usability. 300 Series has a modular design so it's easy to combine functions now, and upgrade in the future.

Game changing modular mechanisms and grids with changeable skins and rockers for unrivalled customisation now and in the future.

Locking bar allows simple mechanism reorientation and sturdy locking for a fast, easy and secure install, reducing the risk of mechanism pushbacks.

Mechanical Switching

There is a range of electromechanical mechs available in 300 Series. This includes 10AX standard mechs through to 16AX mechs for commercial applications, double pole options and intermediate mechs.

There is also the option to add a subtle warm white LED to the switch assembly. You can set them as indicators to show which switches are in use, or as locators to locate a switch in the dark.



Electronic Switching

PDL 300 series includes a number of modular electronic switches, dimmers and timers/timeclocks incorporating ControlLink technology for multiway dimming and switching using standard wiring.

Our **Bluetooth Low Energy** range of mechanisms deliver simple configuration and control of Wiser Dimmers and Switches via the Wiser Room app on your phone or tablet. With this technology it makes life simple and easy.





300 Series

The Mechs and Modules of the Future

The 300 Series Mechanisms is a very flexible platform, designed to be used with the Iconic and Pro Series plate ranges. Whether you have a residential or commercial application, 300 Series has the smart capabilities and extensive functionality required.

The Pro Series - clever, strong, easy

After extensive market research and listening to customer feedback, we have designed a range of switches and sockets for commercial buildings to answer your needs. Pro Series offers permanent circuit identification with large integrated windows. The skin is secured in place helping to protect your investment. Planning, commissioning and installing of the new Pro Series is quick and easy. Switches offer standard 300 Series mechanisms, and electronic modules such as sensors, timers and C-Bus. Sockets are available in several variants, and in horizontal and vertical orientation. There is also a wide choice of USB charging options available.

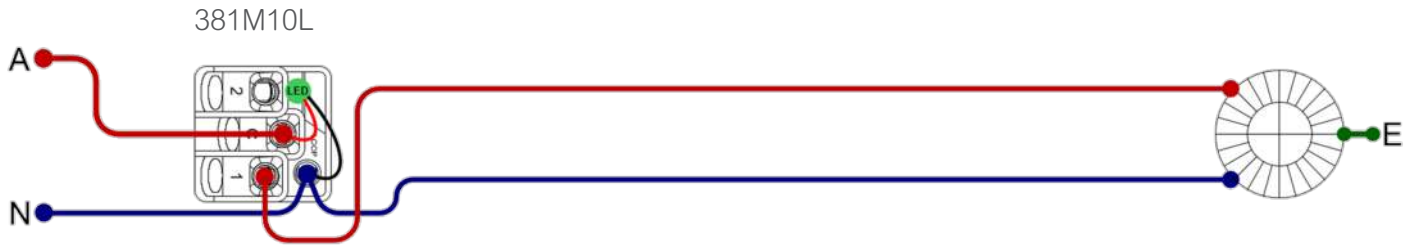
The Iconic Series - Irresistibly future-proof

Iconic is based around a unique grid plate, with a choice of three different skin designs that simply clip on top; Iconic, Iconic Styl, Iconic Essence.

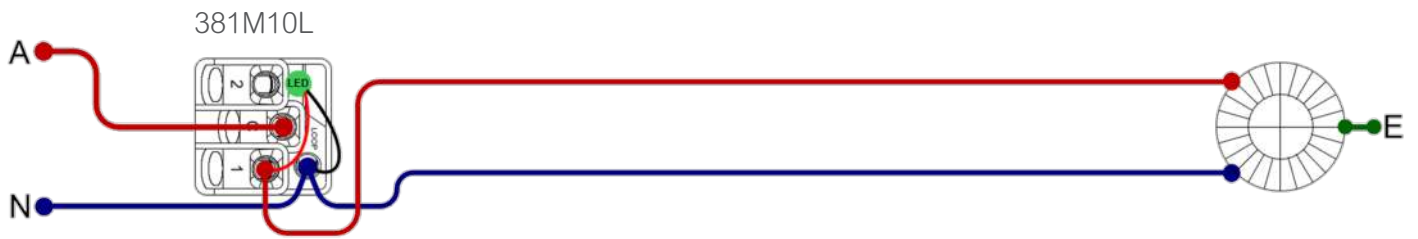
Once the grids have been installed by an electrician, anyone can change the skins to suit a change in decor or preference. Simply clip off the existing skins and clip on the new design.

Mechanical Switching

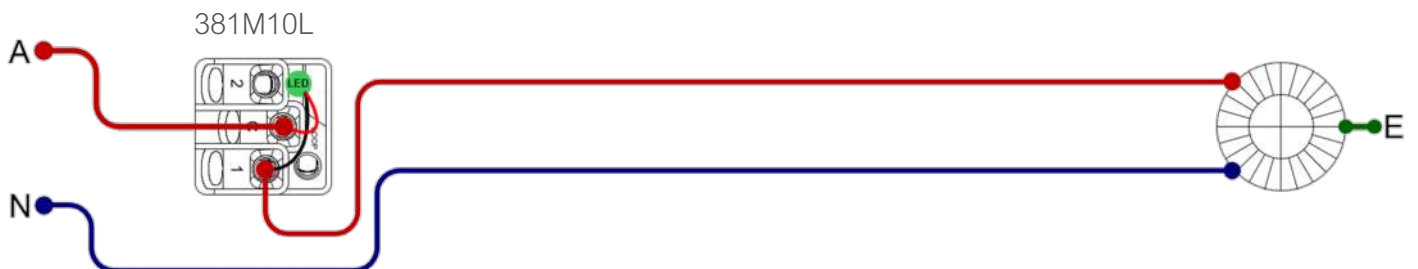
LED indicator is permanently “ON” (Power Available Indicator)



LED indicator “ON” when load is “ON”

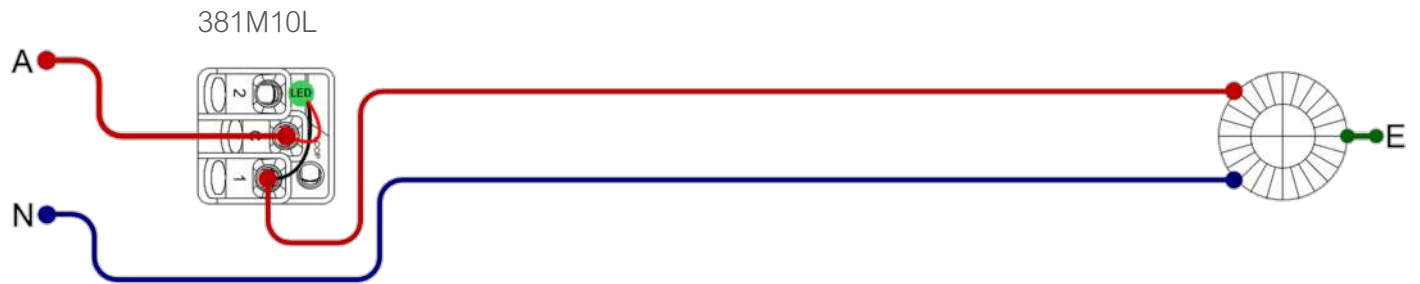


LED indicator “ON” when load is “OFF”- No neutral present at switch

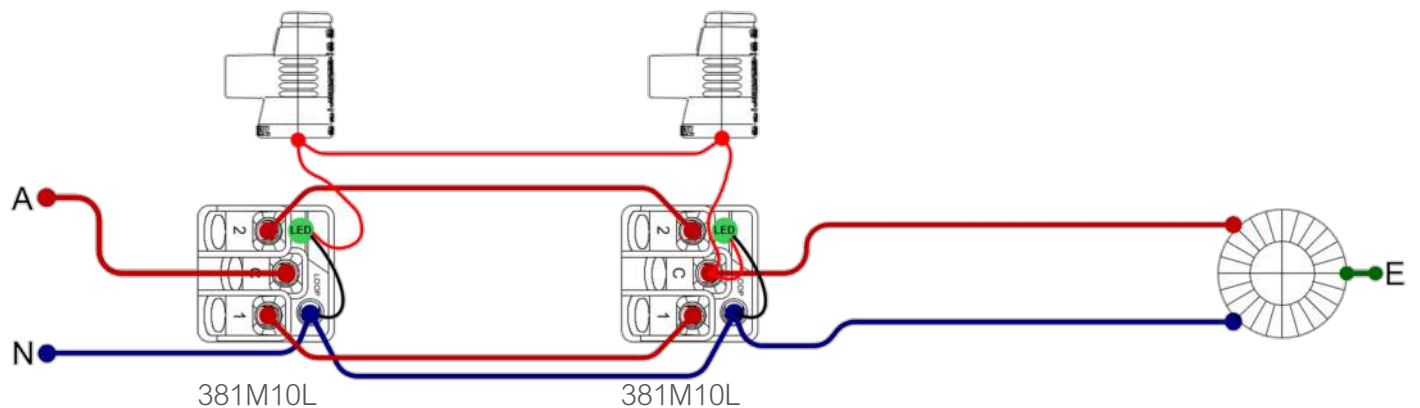


Mechanical Switching

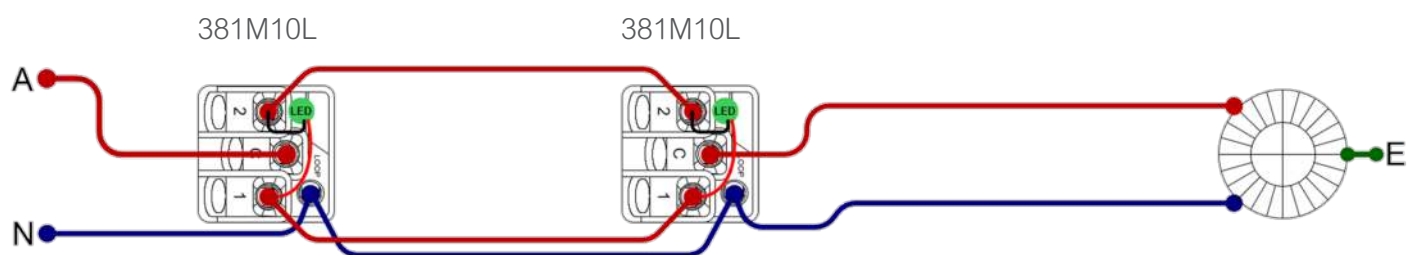
LED indicator is “ON” when load is “OFF”



2-Way switching, LED indicator “ON” when load is “ON”- Neutral present at switch

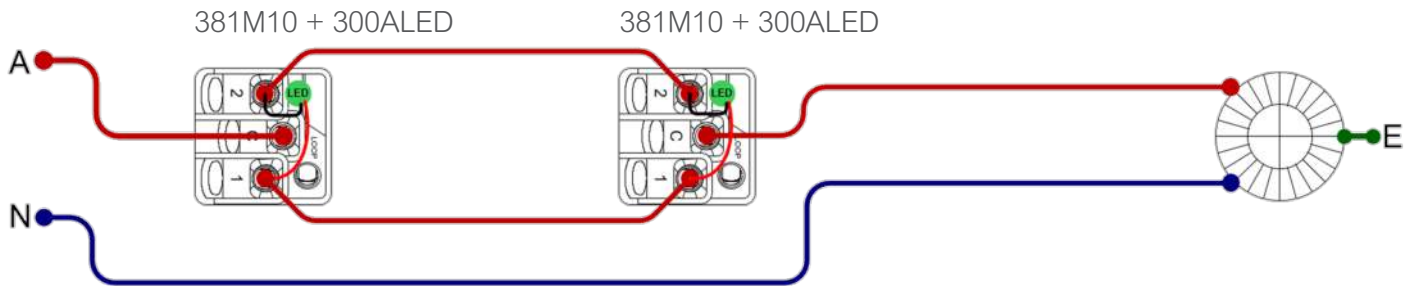


2-Way switching, LED indicator “ON” when load is “OFF”- Neutral present at switch

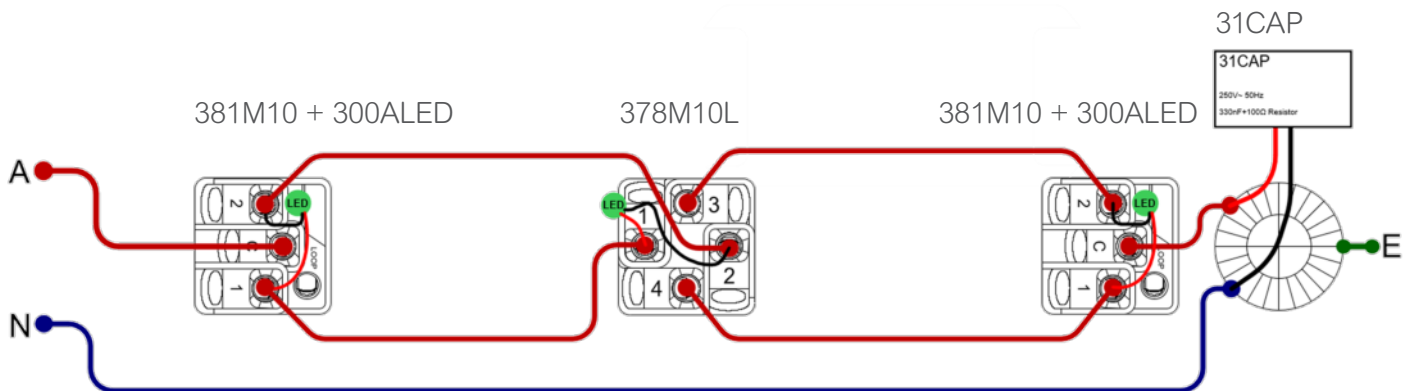


Mechanical Switching

2-Way switching, LED indicator is “ON” when load is “OFF”- No neutral present at switch

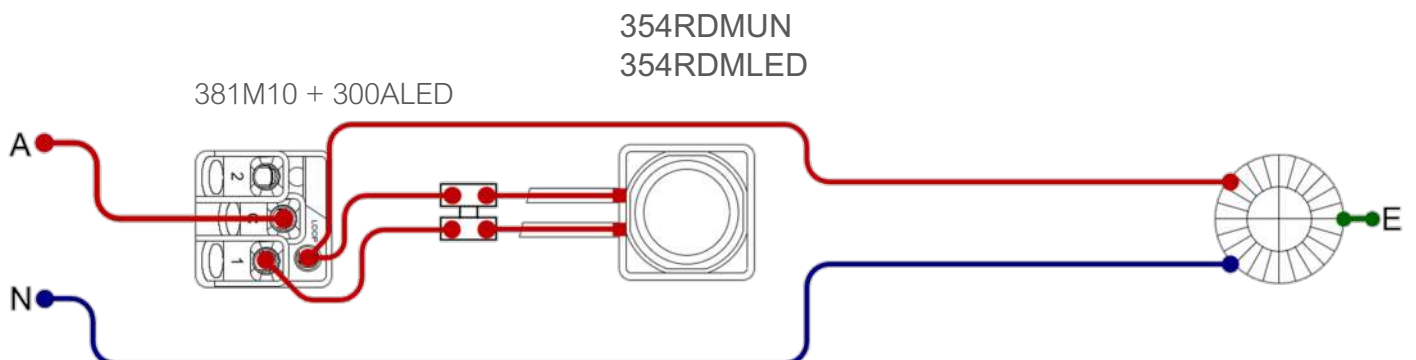


Multi-way switching, LED indicator is “ON” when load is “OFF”- No neutral present at switch



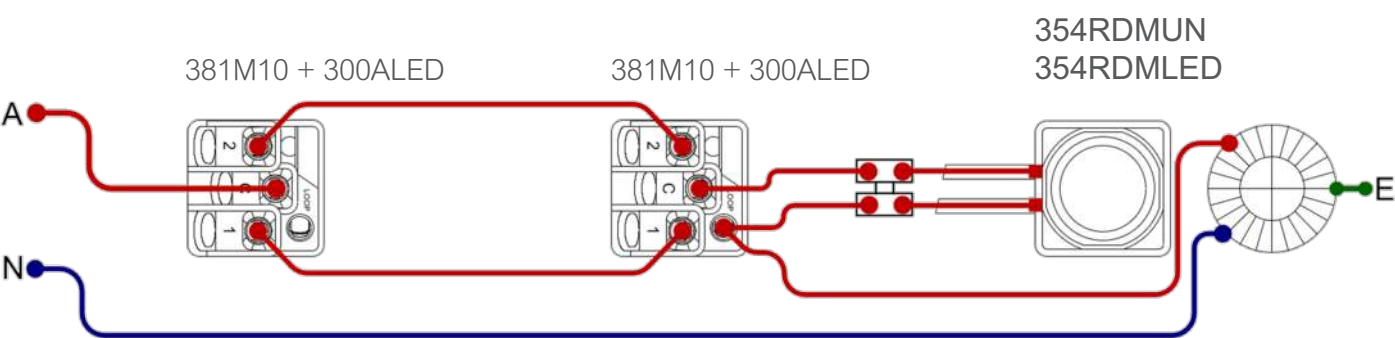
***31CAP to be installed in parallel with the load to counter for larger current leakage.

Switch and Rotary Dimmer

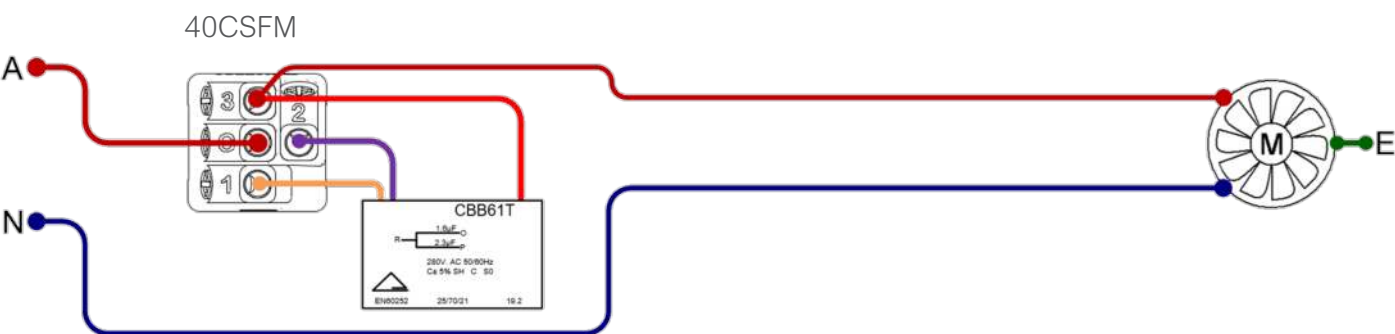


Mechanical Switching

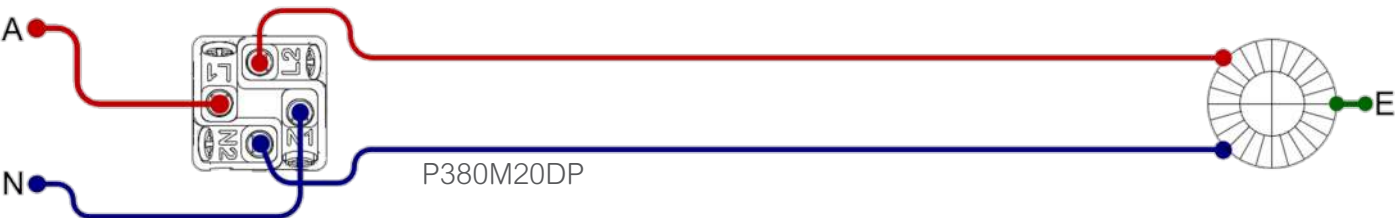
2-Way Switching with Rotary Dimmer



Rotary Fan Controller

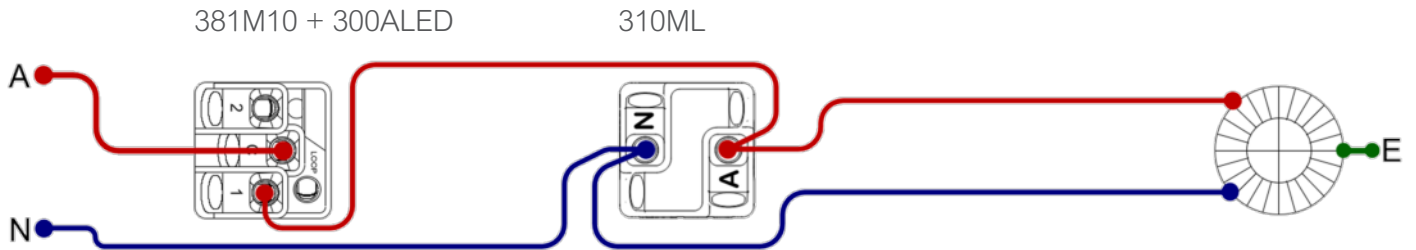


Double Pole Switching

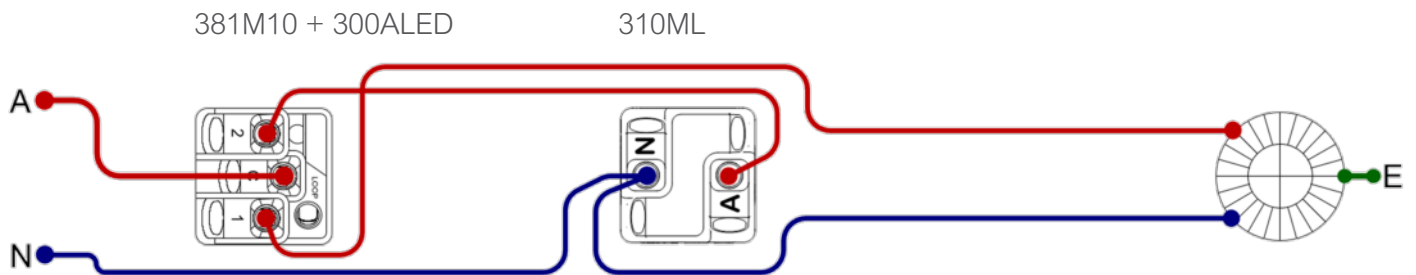


Mechanical Switching

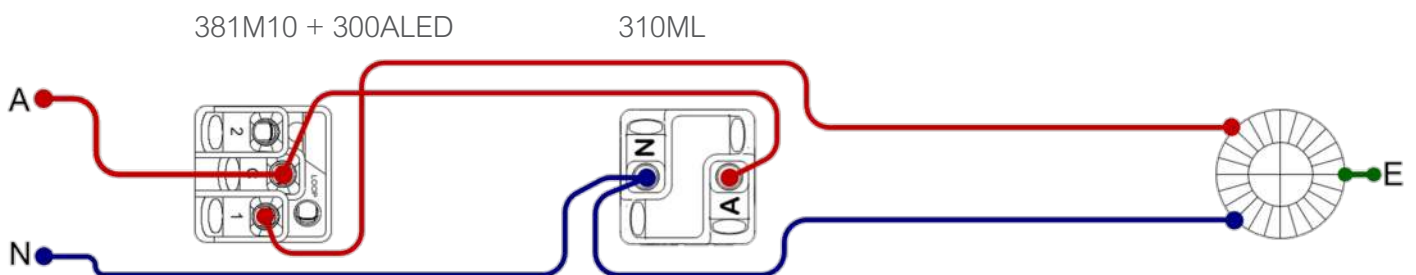
Switching with LED indicator module
LED indicator “ON” when load is “ON”



Switching with LED indicator module
LED indicator “ON” when load is “OFF”

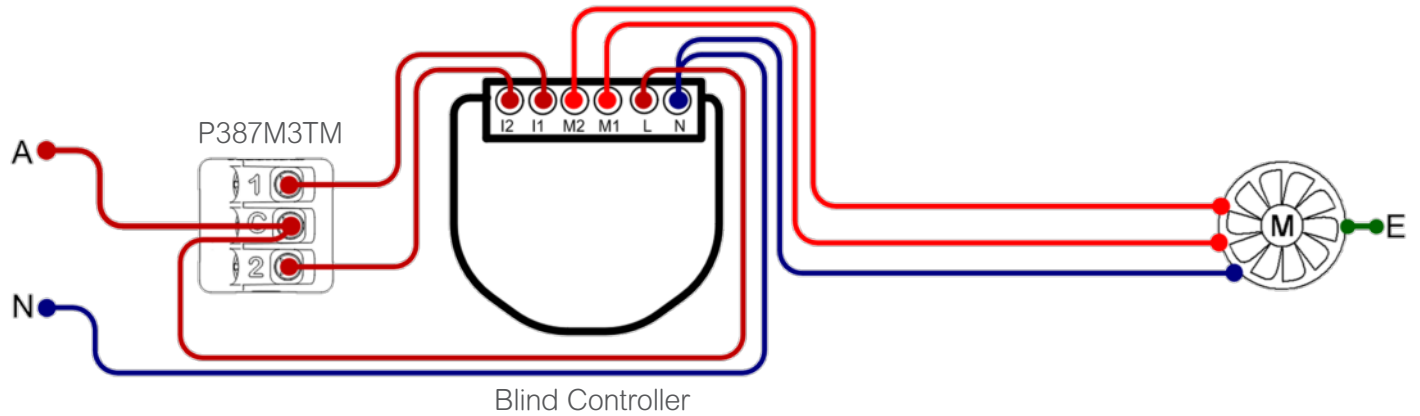


Switching with LED indicator module
LED indicator “ON” permanently (Power Available Indicator)



Mechanical Switching

3 Position momentary press for blind control

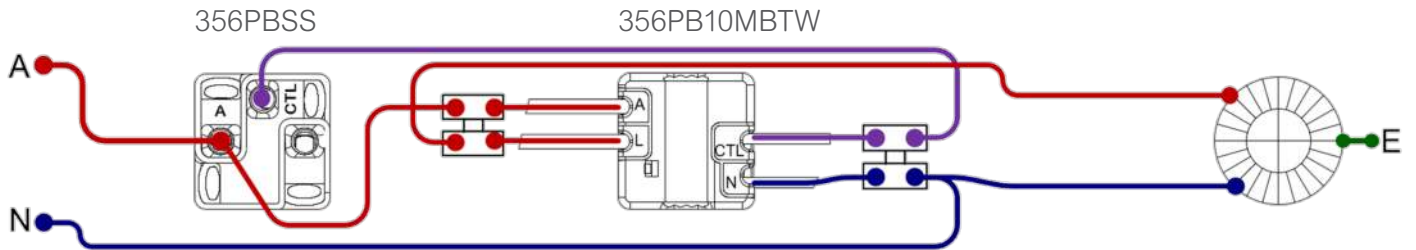


Clever, Strong, Elegant

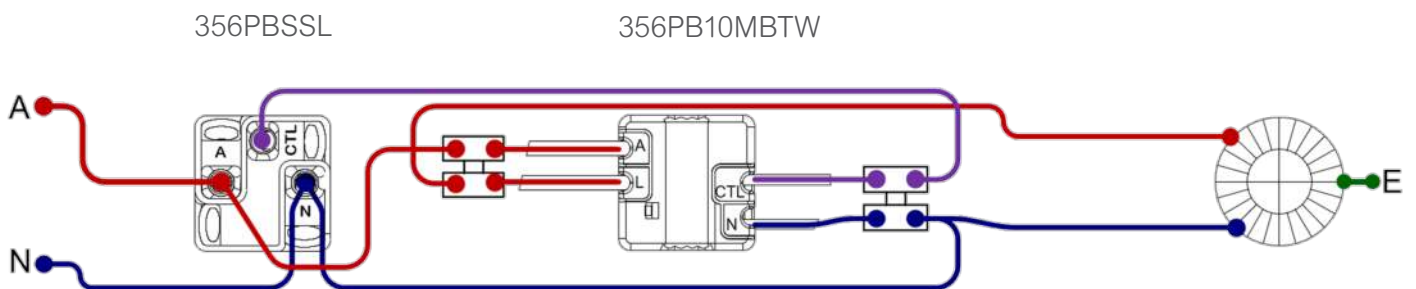


Electronic Switching

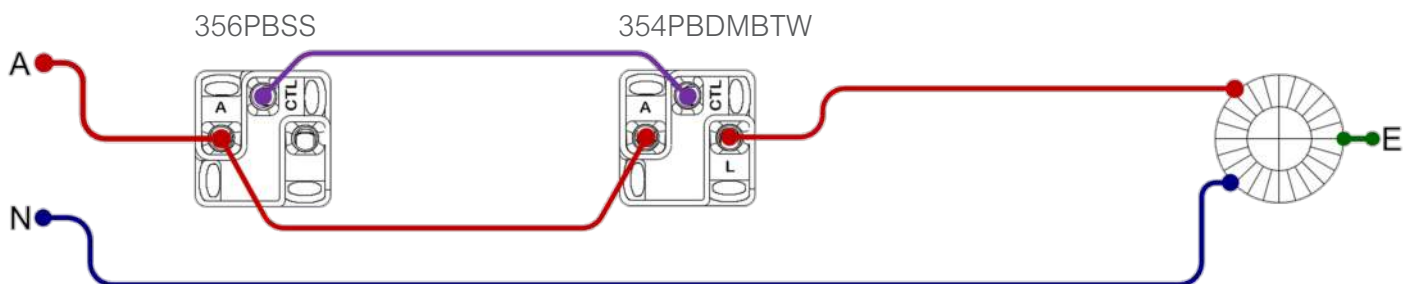
2-Way Switching (LED indication at Master only)
-2 Wire Slave, 3 Wire Master



2-Way Switching (LED indications at both ends)
-3 Wire Slave & Master



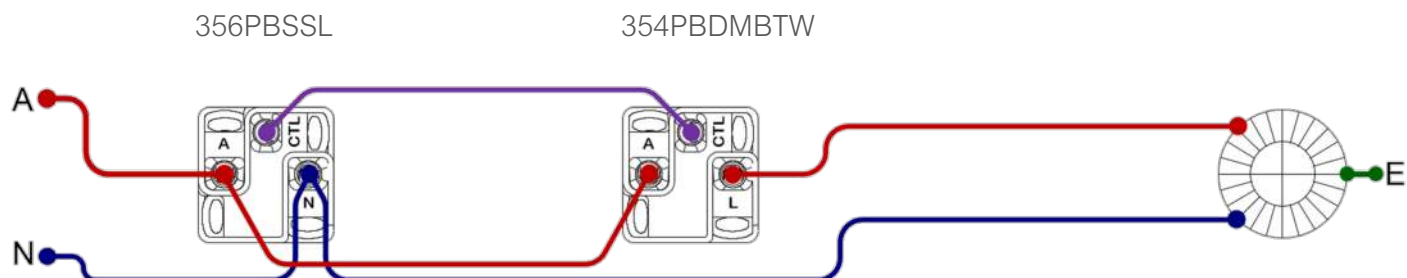
2-Way Dimming (LED indication at Master only)
-2 Wire Slave & Master



Electronic Switching

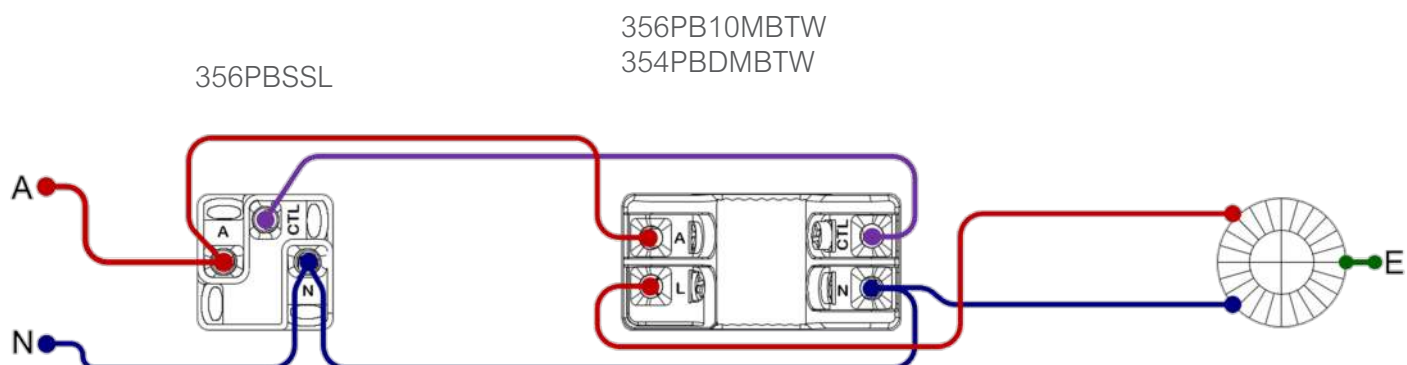
2-Way Dimming (LED indications at both ends)

-3 Wire Slave, 2 Wire Master



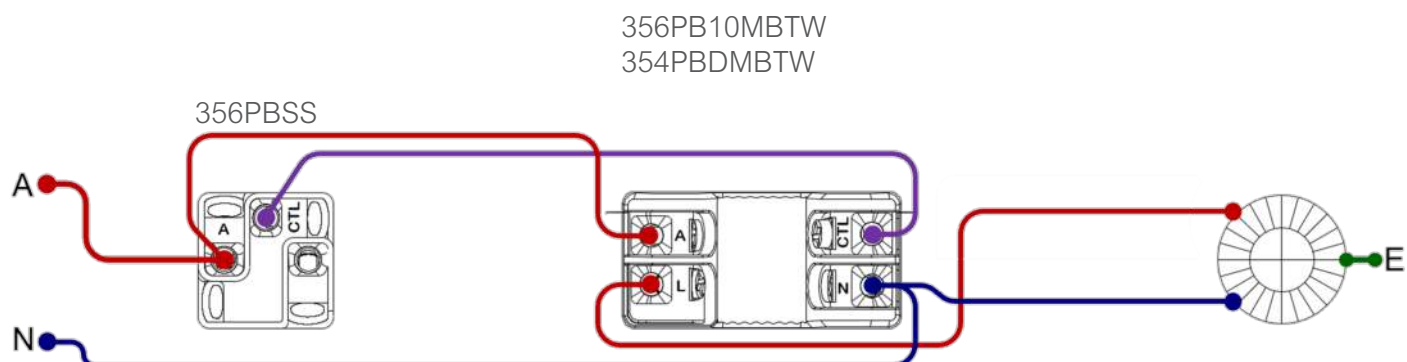
2-Way Switching and/ or Dimming (LED indicators at both ends)

-3 Wire Slave & Master



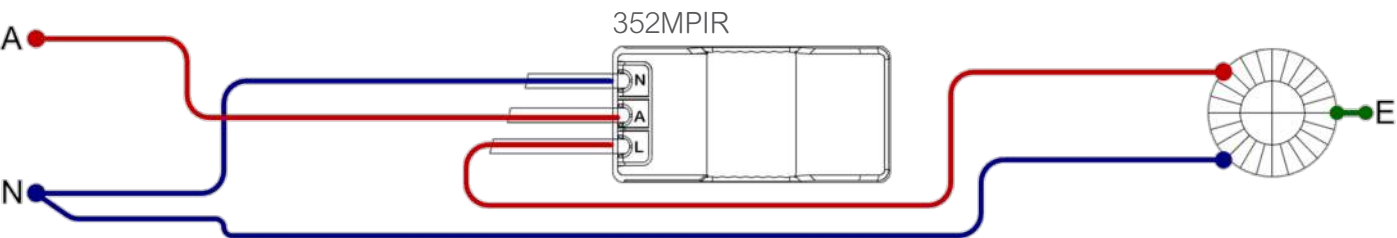
2-Way Switching and/ or Dimming (LED indication at Master only)

-2 Wire Slave, 3 Wire Master

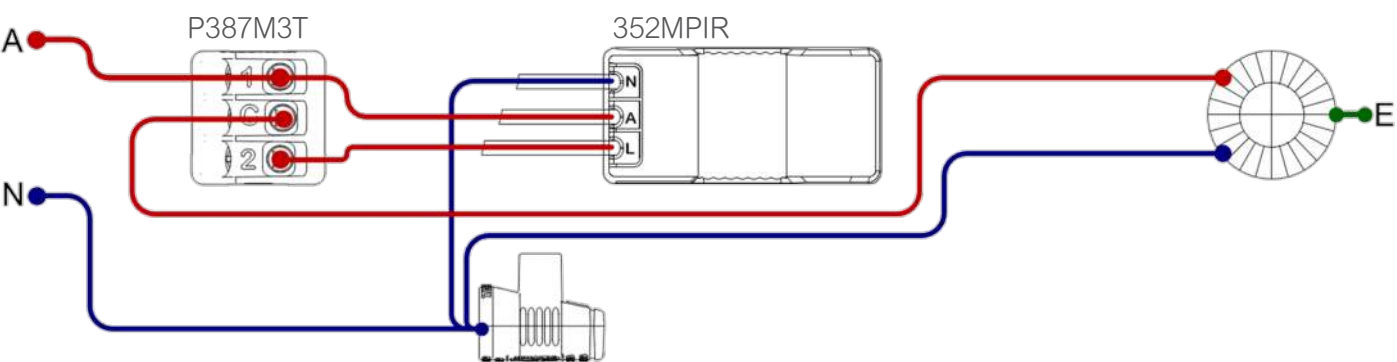


Electronic Switching

Switching with PIR Sensor



Switching with PIR Sensor with override switch

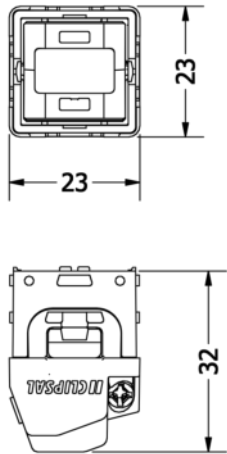


Product References

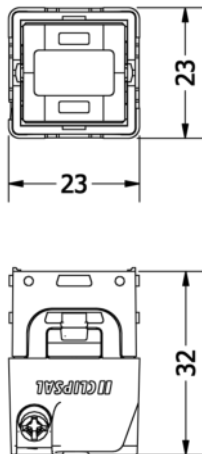
Mechanisms & Modules	Description
381M10	Switch Mechanism, 1/2 way, 250VAC, 10AX
381M20	Switch Mechanism, 1/2 way, 250VAC, 20A/16AX
387M3TM	Pro Series, Switch Mechanism, Bell Press Return, 250VAC, 10A
380M32	Switch Mechanism, 1 way, 250VAC, 32A
380M20DP	Switch Mechanism, Double Pole, 250VAC, 20AX
P380M20DP	Pro Series, Switch Mechanism, Double Pole, 250VAC, 20AX
378M10L	Switch Mechanism, Intermediate, 250VAC, 10AX, LED
40CSFM	Fan Speed Controller Mechanism, 3 Speed, 250VAC, 75VA
P387M4R3	Pro Switch Mechanism, Rotary, 4 Position, 250VAC, 10A, OFF-1-2-3
P387M4R2	Pro Series, Switch Mechanism, Rotary, 4 Position, 250VAC, 10A, OFF-1-OFF-2
387M3T	Switch Mechanism, 3 Position, 250VAC, 10A
310ML**	LED Mechanism, Power Available,(**=LED Colour, Green -GR, Red -RD), 250VAC
310MLPA	LED Mechanism, Marked Power Available, (Amber) 250VAC
310ML24**	LED Mechanism, Power Available,(**=LED Colour, Green -GR, Red -RD), 24VDC
300ALED	LED Module, 250VAC, Warm White, To suit 381M10 & 381M20
356PB10MBTW	Push-Button Wiser Switch, 10AX, 3-wire with BLE app config
354PBDMBTW	Push-Button Wiser Dimmer, LED, 300W, 3-wire with BLE app config
356PB5M	Push-Button Dimmer, Universal, 300W 2-wire
41E6PBTC3SBM	Push-Button Time Clock, 6AX, 3-wire with BLE app config
356PB5S	Push-Button ControlLink, Remote Momentary Switch 50mA
356PB5SL	Push-Button ControlLink, Smart Remote with LED Indicator
354RDMUN	Rotary Dimmer, Universal, 350W, 2-wire
354RDMLD	Rotary Dimmer, LED, 350W, 2-wire
352MPIR	PIR Motion Sensor, 150W LED, 3-wire, 5m range

Dimensional Drawings

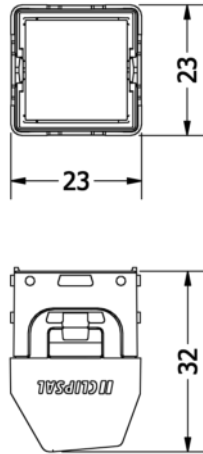
381M10
381M20



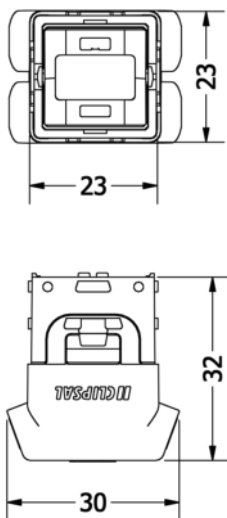
378M10L



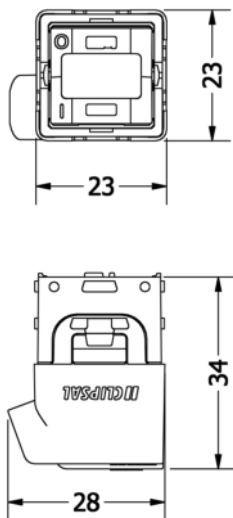
387M3T
387M3TM



380M20DP

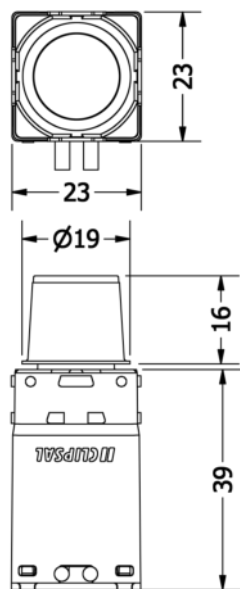


380M32

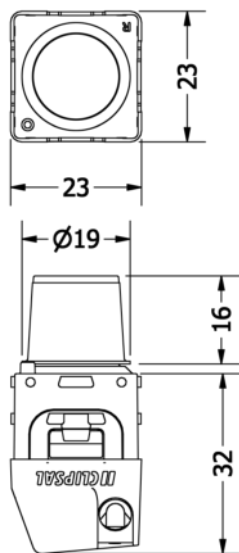


Dimensional Drawings

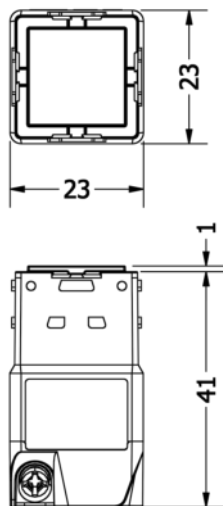
354RDMUN
354RDMLD



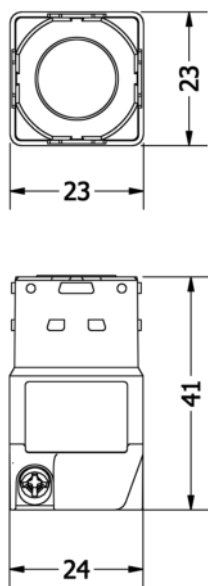
387M4R
40CSFM



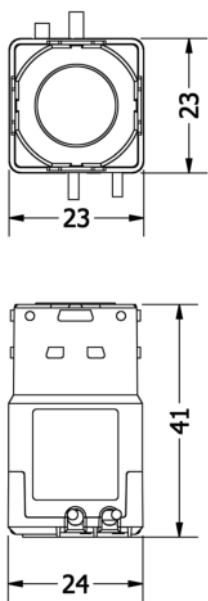
310ML
310ML24



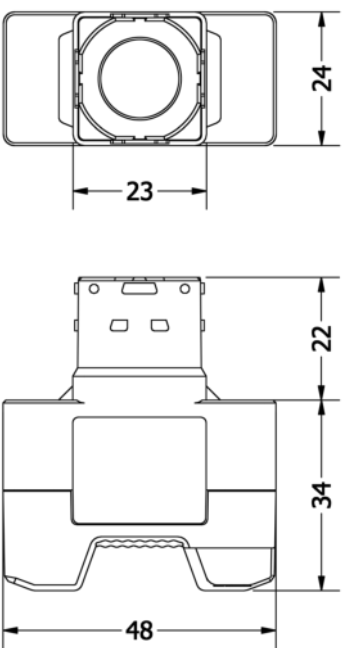
356PBSM



356BP2MBTW

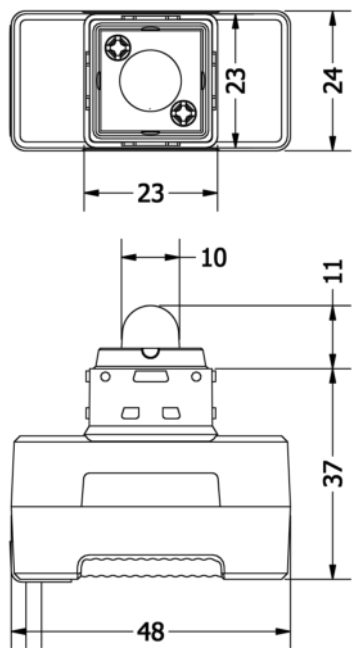


356PBSS
356PBSSL

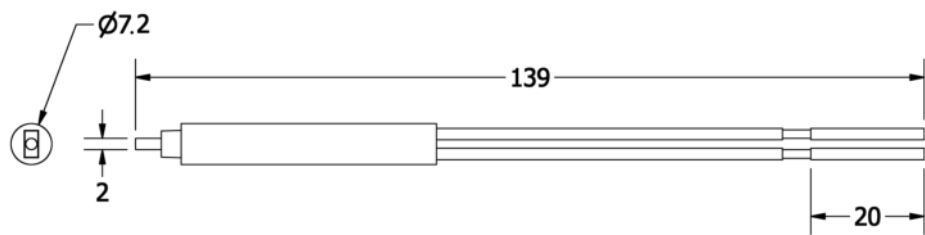


Dimensional Drawings

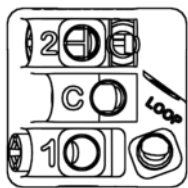
352MPIR



300ALED



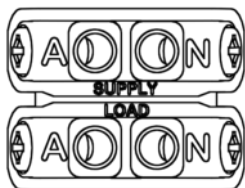
Connection Type



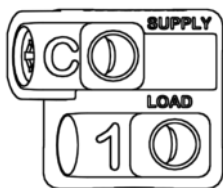
381M20
387M3TM, 381M10L



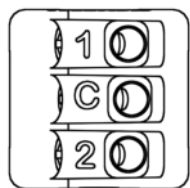
378M10L



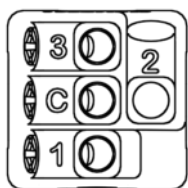
380M20DP



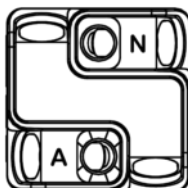
380M32



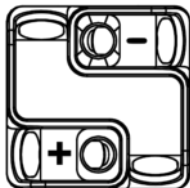
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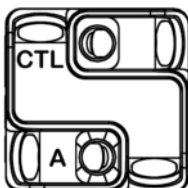
387M4R3
387M4R2



310ML



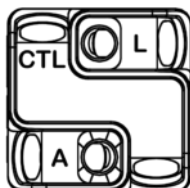
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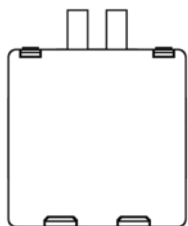
356PBSS



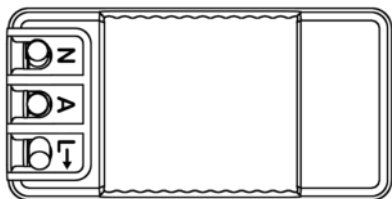
356PBSSL



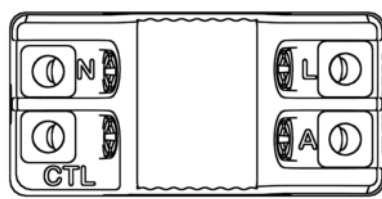
354PBUDM



354RDMUN
354RDMLD



352MPIR



356PB10MBTW
354PBDMBTW



Best Design Awards
Winner 2017



Best Design Awards
Winner 2019



For more information about the 300 Series mechanisms and modules, contact your local PDL and Schneider Electric Representative, electrical wholesaler, or visit pdl.co.nz

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