# DATASHEET
# 41E300PBUD2SM-VW

Pushbutton Universal Dimmer with ControlLink

## Application

The pushbutton universal dimmer has been designed to provide optimum dimming capabilities to most modern loads. The auto-detect circuitry optimises the dimmer so that the correct mode of operation is automatically selected for dimming leading edge or trailing edge compatible loads. A user menu also allows for customisation of features such as minimum and maximum brightness along with configurable LED indicator behaviour.

The pushbutton dimmer includes Clipsal's ControlLink technology that allows for multi-way switching and dimming over conventional mains wiring. ControlLink also allows for multiple dimmer units to be connected to control larger individual loads such as chandeliers.

Clipsal's simple momentary ControlLink switch (Cat No 41EPBM-VW) can be connected so that low cost multi-way switching and dimming can be achieved without the need for expensive secondary switches or dimmer mechanisms.

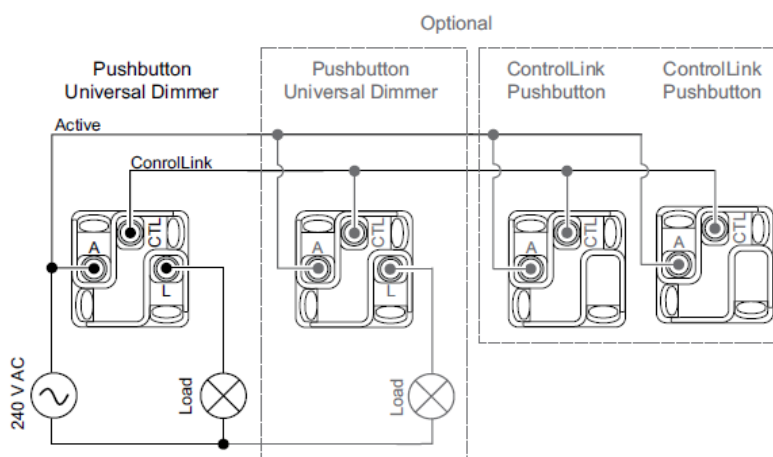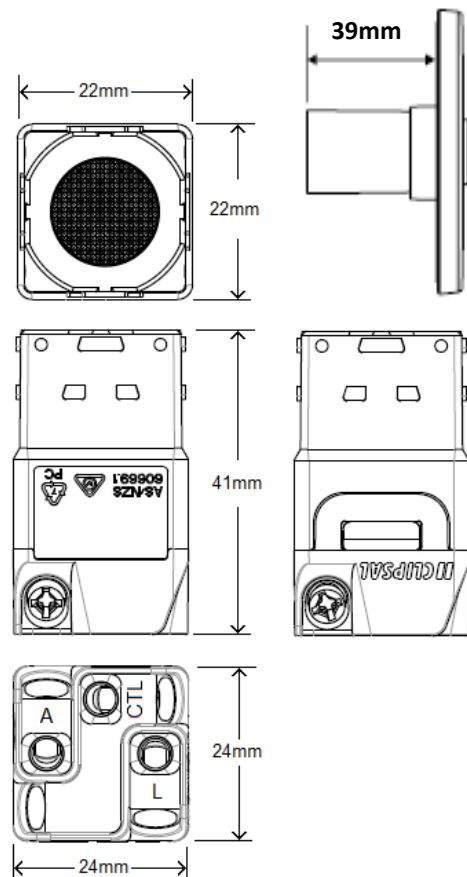The robust design includes over-temperature, over-current as well as short circuit protection.

Clipsal TPDL1C1 LEDs

## Features

- Universal dimming technology
- Configurable LED Indicator
- ControlLink for multi-way switching and dimming
- 2 wire design, 300W max
- Integrally switched, with tactile feel push button.
- Minimum and Maximum brightness adjustment
- In-built over-current, short circuit and over-temp protection
- Configurable Kick start mode for fast LED load starting.
- Supplied with Vivid White (VW) push button assembly.
- Additional colour options through optional parts packs
- Optimised for controlling Clipsal TPDL series LEDs.

Depth from plate

**39mm**

22mm

22mm

41mm

24mm

24mm

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## Specifications

| | |
|---|---|
| Operating Voltage: | 220-240V ac 50Hz |
| Maximum Load: | 300 W |
| Minimum Load: | 10 W   (Use a 31LCDA if required) |
| Dimming Technique: | Leading Edge / Trailing Edge Phase Control (dynamically auto-selected) |
| Compatible Loads: | Dimmable LED*, ELV and iron core LV Transformers, 240V Halogen/incandescent |
| Operating Temperature: | 0°-45° C |
| Ambient Operating Humidity: | 5% ~ 90% Relative Humidity, Non-Condensing |
| Storage Temperature: | 0°-60° C |
| Storage Humidity: | 5% ~ 90% Relative Humidity, Non-Condensing |
| Protection: | Short circuit, Over Current and Over Temperature |
| Connections Terminals: | Screw type: square head & combination head<br>Suits: 3x1.5mm$^2$ cable,<br>Screw Torque Setting: 0.8Nm |
| LED Indicator: | Warm white, configurable modes. |
| Multi-way Control: | Dimming and switching through ControlLink using conventional wiring (max cable length 30m) |
| *Refer to Clipsal.com/load for recommended Clipsal LEDs. (other LEDs may not be compatible, use a 31LCDA load correction device if required) | |

## Derating Details

| Mechanisms per Plate | Maximum load per mechanism |
|---|---|
| 1 | 300 W |
| 2 | 300 W |
| 3 | 250 W |
| 4 | 200 W |
| 5 | 150 W |
| 6 | 100 W |

## Ordering details

| Catalogue No. | Description |
|---|---|
| 41E300PBUD2SM-VW | Pushbutton Universal Dimmer with ControlLink (note- supplied with a VW Push button assembly) |
| | |
| Accessories | |
| 40APB-VW | PB Mech Colour Cap- Vivid White (pk 5) |
| 40APB-WY | PB Mech Colour Cap- Warm Grey (pk 5) |
| 40APB-CY | PB Mech Colour Cap- Cool Grey (pk 5) |
| 40APB-AN | PB Mech Colour Cap- Anthracite (pk 5) |



40APB-VW

Note: Suitable for 40 Mech compatible wall plates (e.g. Iconic). Not suitable for 30 series apertures.

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