



LED Dimmer  
32ELEDM-WE  
4062ELEDM-TR

## 30 and 60 Series Module

Life Is On

**CLIPSAL**  
by Schneider Electric

- 1 Follow the installation instructions
- 2 Using the dimmer



NHA6191600

## Product range

CRN	Description
32ELEDM-WE	LED Dimmer, Standard Series. Suitable for all Clipsal wall plates with 30M apertures.
4062ELEDM-TR	LED Dimmer, Saturn 4000 series. Suitable for Saturn ZEN with Z4062EDIM-KB accessory kit.

## Load compatibility

	Dimmable LED	400 W
	Non-dimmable LED	Not compatible
	240 V Incandescent/Halogen	400 W
	LV halogen with electronic transformer	400 W
	LV halogen with iron-core transformer	Not compatible
	Fluorescent Lamps	Not compatible
	Small motor loads, ceiling sweep fans	Not compatible

## Derating

Dimmers per plate	Max load
1	400 W
2	300 W
3	200 W

**Note:** Consider using 31LCDA Load Correction Device for difficult to dim loads.

## For your safety

### ⚠️ DANGER

#### HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- This product must be installed and serviced by appropriately qualified and/or licenced electrical personnel.
- Isolate the electrical supply before doing any work on the product.
- Ensure that the product has been correctly installed and tested for safe operation before reconnecting the electrical supply.
- This product must be installed downstream of a switch.

**Failure to follow these instructions will result in death or serious injury.**

### ⚠️ CAUTION

#### EQUIPMENT DAMAGE HAZARD

- Install the device according to instructions in this document.
- Pay attention to the specifications and wiring diagrams related to the installation.
- Do not use this product for any other purpose than specified in this instruction.
- Dropping the device may damage the mech. Check device operates after being dropped or if physical damage is shown.

**Failure to follow these instructions can result in injury or equipment damage.**

### NOTICE

#### EQUIPMENT DAMAGE HAZARD (LOAD AND OPERATION)

- Operation of units at elevated temperatures or voltages outside of specification (240 V a.c. and 25 °C) may cause the over-temperature protection circuitry to operate. Operating with significant overload may cause the thermal fuse to blow and render the unit inoperable.
- Reduce the size of the connected load or use a different brand of lamp to prevent recurrence.
- Do not operate the product for prolonged periods in extreme conditions.

**Failure to follow these instructions can result in equipment damage.**

### NOTICE

#### MAXIMUM LOAD RATINGS APPLY

Ensure that the number of Low Voltage Lighting Transformers connected to a single Dimmer does not exceed the maximum load rating of the unit.

**Failure to follow these instructions can result in equipment damage.**

### NOTICE

#### MIX LOAD

It is not recommended to mix load types as this may cause unexpected performance, and may cause the dimmer to operate in an incompatible mode, potentially causing a product issue.

**Failure to follow these instructions can result in equipment damage.**

## Installation

- 1 Disconnect power, lock out and tag relevant circuit at the main circuit board.
- 2 Remove existing switch from wall.
- 3 Connect the dimmer in accordance with the wiring diagram.
- 4 Refit switch plate to wall and fit the dimmer knob to the shaft.
- 5 Reconnect power, place the Megger information label near the circuit breaker.
- 6 Turn the LED Dimmer on and check its operation by turning control knob through the full dimming range.

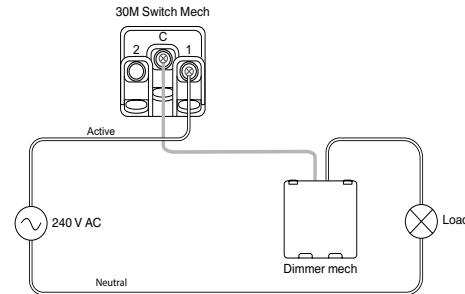
### Cabling and connections

The LED Dimmer is suitable for one-way or two-way switching. The Dimmer Mech must always be connected to the Line side of the load.

#### Note:

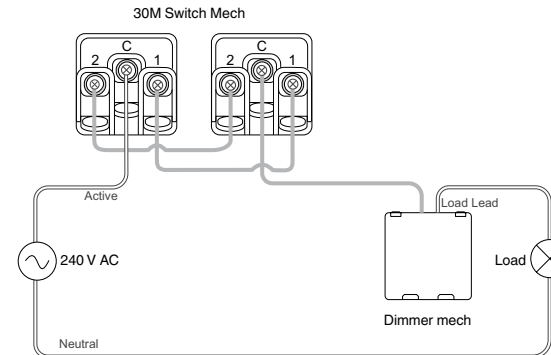
- The Dimmer mech wiring is not polarity sensitive.
- Two or more dimmers must not be connected in parallel or series to control the same load from two different location.

### One-Way Operation



### Two-Way Operation

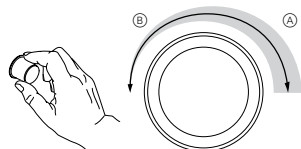
For two-way operation, the load can be switched ON and OFF from either switch. However the lamp brightness must be adjusted from one location.



### Soft Start Feature

The LED dimmer incorporates a soft start feature providing a noticeably smooth lamp illumination at turn on. This feature also minimises lamp start-up stress and may increase lamp life.

### Dimming and Brightening



With the light switched On:

- ① Turn the knob clockwise (A) to brighten the light.
- ② Turn the knob counter-clockwise (B) to dim the light.

**Note:** The minimum brightness level has been factory preset to suit most applications.

### Advanced Load Handling Facilities

The LED Dimmers are separately switched, compact, modular dimming mechanisms rated at 400 W (1.6 A). The LED Dimmer uses advanced trailing edge technology to provide full control of dimmable LEDs, incandescent lighting and electronic transformer based low voltage lighting. The LED Dimmer has an optimised dimming range and offers smooth control of dimmable LEDs. The LED Dimmer is fitted with suppressors to minimise radio frequency interference.

### Ripple signal

In some regions of the country a slight flicker may be experienced when luminaire is dimmed. This is due to power line signals sent by the electricity supply authorities to assist with switching utilities, for example hot water services or changing tariff rates. This effect is not a malfunction of the luminaire or dimmer but a result of local installation conditions changing during the day. If this occurs, adjusting the dimmer back to maximum brightness will help minimize flickering.

### LED compatibility

The dimming performance will depend on the type and brand of the LEDs that are connected and the installation conditions. Clipsal dimmers are designed for optimum performance with Clipsal branded LEDs. Some alternate brand LEDs may not operate as expected. This depends on the number of LEDs, the type of driver and the power quality supplied from the supply network. A 31LCDA load correction device may resolve some of these issues.

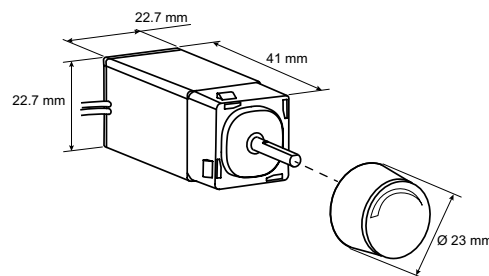
### Overload Protection Facilities

The rotary dimmers have a number of mechanisms to reduce the risk of damage in the case of abnormal operating conditions.

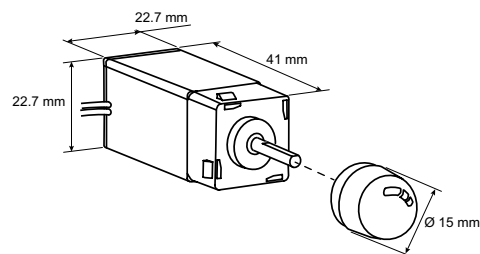
<b>Thermal Overload Protection - Two Levels</b>	<b>Thermal Overload Protection</b> Automatically reduces lamp brightness should the dimmer be inadvertently overloaded. Extreme overloads will result in the load turning Off (primary defence against overload). The Thermal Overload Protection resets automatically once overload conditions are corrected.
	<b>Thermal Cut-Out</b> The dimmer contains a non-resettable thermal fuse device designed to blow in case of circuit failure. This is a secondary protection measure intended to operate as a backup in case of persistent or prolonged overload conditions. If the thermal cut-out fuse blows, the dimmer will be rendered permanently inoperable and must be replaced.  <i>Note: The thermal fuse device is not replaceable by the user.</i> Any significant overload should be avoided in order to prevent damage to the load, fixed wiring of the installation or other hardware connected to the affected circuit.
<b>Short Circuit Protection</b>	The Clipsal LED Dimmer features short circuit protection, designed to ensure the dimmer can survive in case of wiring fault or catastrophic failure of the load.

### Dimensions

#### 32ELEDM-WE



#### 4062ELEDM-TR



### Technical data

**Note:** See product data sheet for full specifications. Specifications typical at 240 V a.c., 25 °C.

Operating voltage	220–240 V a.c., 50 Hz
Load rating	Min load: 1 W   Max load: 400 W
Dimming Technique	Trailing edge phase control
Design	2-wire
Voltage Frequency Stability	Yes
Short Circuit Protection	Yes
Thermal Overload Protection	Yes
Knob colour	32ELEDM-WE - White electric
	4062ELEDM-TR - Silver
Multi-gang Plate capacity	Max 3 per plate. Derate as per first page
Environmental rating	IP20 (designed for indoor use only)
Operating humidity	5%–90% RH, non-condensing
Operating temperature	0 – 45 °C
Mounting centres	84 mm Australian Pattern Plate
Shipping weight	25 g Dimmer Mechanism only
Safety Compliance	AS/NZS3100, IEC60669-2-1
EMC Emission Compliance	AS/NZS CISPR15:2002

There are no user serviceable parts inside

### Customer care

#### Warranty information

We warrant this product for 2 years—for details visit:

**Schneider Electric (Australia) Pty Ltd**

33-37 Port Wakefield Road, Gepps Cross SA 5094

**Customer Care: 13 73 28**

**Email:** [customercare.au@se.com](mailto:customercare.au@se.com)

**Warranty:**

<https://www.se.com/au/en/about-us/legal/terms-and-conditions.jsp>

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**Email:** [sales@nz.schneider-electric.com](mailto:sales@nz.schneider-electric.com)

**Warranty:**

<https://www.se.com/nz/en/about-us/legal/terms-and-conditions.jsp>  
[www.se.com](http://www.se.com)

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