## LED DIMMER 3-250W







## **PRODUCT DESCRIPTION**

- Phase cut dimmer.
- Suitable for trailing edge dimming
- CE approved by NEMKO with N Mark
- · Protection for output open load, overload and over temperature
- Grow wire tested 650° for 30S for enclosure and 850° for 30S for PCB
- Operating temperature 1: 0°C ~ +40°C, the humidity: 20% ~ 85%
- Degree of protection against access to hazardous parts and against harmful effects due to the ingress of solid foreign objects: IP2X
- Degree of protection against harmful effects due to the ingress of water : IPX0
- · Should not be disposed with other household wastes
- This product is not a toy. Keep away from children and animals.
- Do not expose this product to moisture, water or other liquids.
- This product is designed for indoor use only. Do not use outside!
- Five-year factory guarantee and lifetime technical support
- Detailed data please refer to the "PARAMETERS" table

## PARAMETERS

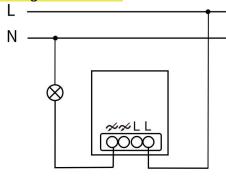


|                 | MODEL                                       | D621R2 DATASHEET  |
|-----------------|---|---|
|                 | Output voltage                              | 220-240Vac; Max 264Vac; Min 198Vac  |
| Output          | Maximum power                               | 300W for incandescent & Halogen Lamps; 250W for LED Lighting  |
|                 | Minimum power                               | 3W for LED lamps; 3W for incandescent and halogen lamps   |
|                 | Rated current                               | 1.25-1.36A  |
|                 | Max current                                 | work voltage 198Vac 220Vac 240Vac 264Vac  |
|                 |   | Max current 1.364A 1.364A 1.25A 1.136A  |
|                 | Inrush current                              | 63.2A; 50% 300uS@230VAC   |
|                 | Dimming Range                               | 5%-100%   |
|                 | Quantity of lighting                        | Example: parameter of the lighting: "a" Stands for W/ "b" Stands for VA; Max input current "c" stands for Ampere;                             |
|                 |   | Method 1: Quantity of lighting=1.25 / c (According the Max current value)   |
|                 |   | Method 2: Quantity of lighting=300 / b (According the VA value)   |
|                 | Starting time                               | <2.0S   |
|                 | Turn off time                               | <2.0S   |
|                 | Starting current                            | 6mA: matched with 3802372 GU10 lamps<br>12mA: matched with LED Downlight  |
|                 | Noise                                       | <45dB with distance of 200mm  |
|                 | Voltage                                     | 220-240V  |
| Input           | Frequency                                   | 50Hz  |
|                 | Power factor                                | ≥0.9; Incandescent Lamps @ Max output power   |
|                 | Efficiency                                  | ≥90% @ Max output power   |
|                 | AC current                                  | 1250-1360mA   |
|                 | ON/OFF switches cycle                       | >40,000   |
|                 | Rotary lifetime                             | >10000  |
|                 | Standby power                               | <0.5W   |
| Rotary Control  | Type of control element                     | Potentiometer   |
| Trimming        | Direction<br>Range                          | Anticlockwise: decrease; Clockwise: increase<br>Minimum lighting intensity: 0-50%; Maximum Lighting intensity: 50%-100%                       |
|                 | Direction                                   | Anticlockwise: increase; Clockwise: decrease  |
| Protection      | Over current                                | Shut down output voltage, recovers automatically after fault condition is removed   |
|                 | Overload                                    | Shut down output voltage, recovers automatically after fault condition is removed, or re-power on to recovery                                 |
|                 | Over temperature                            | Shut down output voltage  |
| Safety<br>& EMC | Safety standards                            | IEC/EN60669-2-1; IEC/EN60669-1  |
|                 | Withstand voltage                           | All poles together - Accessible parts: 4KVac  |
|                 | Isolation resistance                        | All poles together - Accessible parts: 100M Ohms/500Vdc/25°C/75%RH  |
|                 | EMC emission                                | EN55015, EN61000-3-2, EN61000-3-3; EN 60669-2-1   |
|                 | EMC immunity                                | EN61000-4-2, EN61000-4-3; EN61000-4-4; EN61000-4-5; EN61000-4-6;<br>EN61000-4-8; EN61000-4-11; EN61547;<br>Surge immunity L Line- N Line:1KV; |
| Environment     | Contact opening(gap) and switch performance | Without contact gap(semiconductor switching device)   |
|                 | Method of actuating                         | Rotary(Dimming); Push(ON/OFF)   |
|                 | Method of mounting                          | Flush-type  |
|                 | Method of installation                      | Design ASwitches where the cover or cover place can be removed without<br>displacement of the conductor                                       |
|                 | Type of terminals                           | Screw -type   |

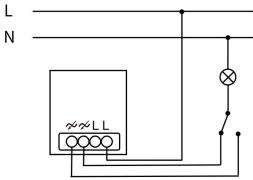


|        | Ambient temperature range9 | 0°C ~ +40°C                                    |
|--------|----------------------------|--|
|        | Relative humidity range    | 20% ~ 85%RH                                    |
|        | Storage temperature range  | -20°C ~ +60°C                                  |
| Others | Kind of load               | LED lamps/Incandescent lamps/halogen lamps     |
|        | Dimming control mode       | Phase cut                                      |
|        | Dimming mode               | Trailing edge                                  |
|        | Glow wire test             | PCB: 850°C for 30S: ; Enclosure: 650°C for 30S |
|        | Dimension L x W x H        | 70 x 70x 43.5mm                                |
|        | Warranty years             | 3 years  |

## Wiring Instruction:



One-way connection



Two-way connection