LED DIMMER 3-250W





C € △ ZRoHS

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



Output voltage 220-240Vas; Max 284Vas; Min 198Vac Maximum power 300W for incandescent & Hatogen Lamps; 250W for LED Lighting 3W for LED lamps; 3W for incandescent and hatogen lamps 125-1.36A 1.25-1.36A work voltage 198Vac 220Vac 240Vac 264Vac Max current 1.364A 1.364A 1.25A 1.136A 1.36A 1.25A 1.136A 1.36A 1.25A 1.136A 1.36A 1.25A 1.136A 1.136A 1.25A 1.136A		MODEL	D621R2 DATASHEET
Minimum power 3W for LED lamps; 3W for incandescent and halogen lamps		Output voltage	220-240Vac; Max 264Vac; Min 198Vac
Minimum power 3W for LED lamps; 3W for incandescent and halogen lamps		Maximum power	300W for incandescent & Halogen Lamps; 250W for LED Lighting
Pated current		·	3W for LED lamps; 3W for incandescent and halogen lamps
Max current	Output	·	
Dutput			
Dimming Range S%-100%			Max current 1.364A 1.364A 1.25A 1.136A
Dimming Range Example: parameter of the lighting: "a" Stands for W, "b" Stands for VA; Max input current "c" stands for Mmpere; Method 1: Quantity of lighting=1.25 / c (According the Max current value)		Inrush current	63.2A; 50% 300uS@230VAC
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=3.00 / b (According the VA value) Starting time	·	Dimming Range	5%-100%
Starting time		Quantity of lighting	input current "c" stands for Ampere; Method 1: Quantity of lighting=1.25 / c (According the Max current value)
Turn off time			
Starting current 12mA: matched with 3802372 GU10 lamps 12mA: matched with LED Downlight 12mA: do			
Noise		Turn off time	
Voltage		Starting current	
Frequency SOHz		Noise	<45dB with distance of 200mm
Power factor ≥0.9: Incandescent Lamps @ Max output power		Voltage	220-240V
Efficiency ≥90% @ Max output power		Frequency	50Hz
AC current 1250-1360mA		Power factor	≥0.9: Incandescent Lamps @ Max output power
AC current ON/OFF switches cycle Rotary lifetime Standby power OSAM Rotary Control Rotary Control Trimming Trimming Protection Protection Actino Cover temperature Safety & EMC EMC emission EMC emission EMC emission EMC immunity Contact opening(gap) and switch performance Method of installation Mover output performance Method of installation Mover output performance Mover current 1250-1360mA A40,000 A4	la accid	Efficiency	≥90% @ Max output power
Rotary lifetime \$10000 Standby power \$<0.5W Type of control element Potentiometer Direction Anticlockwise: decrease; Clockwise: increase Range Minimum lighting intensity: 0-50%; Maximum Lighting intensity: 50%-100% Trimming Protection Anticlockwise: increase; Clockwise: decrease Over current Anticlockwise: increase; Clockwise: decrease Over current Shut down output voltage, recovers automatically after fault condition is removed, or re-power on to recovery Over temperature Shut down output voltage, recovers automatically after fault condition is removed, or re-power on to recovery Over temperature Shut down output voltage 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 EN61000-4-3; EN61000-4-4; EN61000-4-5; EN61000-4-6; EN61000-4-7; EN61000-4-8; EN61000-4-11; EN61547; Surge immunity L Line- N Line:1KV; Contact opening(gap) and switch performance Method of actuating Rotary(Dimming); Push(ON/OFF) Environment Method of mounting Flush-type	Input	AC current	1250-1360mA
Standby power <0.5W		ON/OFF switches cycle	>40,000
Type of control element Direction Anticlockwise: decrease; Clockwise: increase		Rotary lifetime	>10000
Type of control element Direction Anticlockwise: decrease; Clockwise: increase		Standby power	<0.5W
Trimming	Doton / Control		
Protection Direction Over current Overload Shut down output voltage, recovers automatically after fault condition is removed, or re-power on to recovery Over temperature Safety standards EMC Safety EMC EMC immunity Contact opening(gap) and switch performance Method of installation Direction Anticlockwise: increase; Clockwise: decrease Shut down output voltage, recovers automatically after fault condition is removed, or re-power on to recovery Shut down output voltage Safety Shut down output voltage IEC/EN60669-2-1; IEC/EN60669-1 All poles together - Accessible parts: 4KVac Isolation resistance All poles together - Accessible parts: 100M Ohms/500Vdc/25°C/75%RH EN61000-4-2, EN61000-3-2, EN61000-3-3; EN 60669-2-1 EN61000-4-2, EN61000-4-3; EN61000-4-5; EN61000-4-6; EN61000-4-6; EN61000-4-7; EN61000-4-7; EN61000-4-7; EN61000-4-8; EN61000-4-8; EN61000-4-7; EN61000-4-8; EN61000-4-7; EN61000-4-7; EN61000-4-8; EN61000-4-8; EN61000-4-8; EN61000-4-7; EN61000-4-8; EN61000-4-7; EN61000-4-8; EN61000-4-8; EN61000-4-7; EN61000-4-8; EN61000-4-8; EN61000-4-7; EN61000-4-8; EN61000-4-7; EN61000-4-8; EN61000-4-7; EN61000-4-7; EN61000-4-8; EN61000-4-8; EN61000-4-8; EN61000-4-8; EN61000-4-8; EN61000-4-6; EN61000-4-8; EN61000-4-8; EN61000-4-8; EN61000-4-8; EN61000-4-8; EN61000-4-8; EN61000-4-6; EN61000-4-6; EN61000-4-8; EN61000-4-6; EN61000-4-6; EN61000-4-6; EN61000-4-8; EN61000-4-6; EN6	Rotary Control		
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 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 EN61000-4-2, EN61000-4-3; EN61000-4-4; EN61000-4-5; EN61000-4-6; EN61000-4-8; EN61000-4-11; EN61547; Surge immunity L Line- N Line:1KV; Contact opening(gap) and switch performance Method of actuating Rotary(Dimming); Push(ON/OFF) Environment Method of installation Design ASwitches where the cover or cover place can be removed without displacement of the conductor	Trimming	-	
Protection 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 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 EN61000-4-2, EN61000-4-3; EN61000-4-4; EN61000-4-5; EN61000-4-6; EN61000-4-8; EN61000-4-11; EN61547; Surge immunity L Line- N Line:1KV; Contact opening(gap) and switch performance Method of actuating Method of mounting Flush-type Method of installation Design ASwitches where the cover or cover place can be removed without displacement of the conductor			Shut down output voltage, recovers automatically after fault condition is
Over temperature Shut down output voltage Safety standards Withstand voltage All poles together - Accessible parts: 4KVac Isolation resistance EMC emission EN55015, EN61000-3-2, EN61000-3-3; EN 60669-2-1 EMC immunity EMC immunity EN61000-4-2, EN61000-4-3; EN61000-4-1; EN61000-4-5; EN61000-4-6; EN61000-4-8; EN61000-4-8; EN61000-4-11; EN61547; Surge immunity L Line- N Line:1KV; Contact opening(gap) and switch performance Method of actuating Method of mounting Flush-type Method of installation Design ASwitches where the cover or cover place can be removed without displacement of the conductor	Protection	Overload	Shut down output voltage, recovers automatically after fault condition is
Safety & EMC Solation resistance All poles together - Accessible parts: 4KVac		Over temperature	·
Safety & EMC Isolation resistance All poles together - Accessible parts: 100M Ohms/500Vdc/25°C/75%RH		Safety standards	IEC/EN60669-2-1; IEC/EN60669-1
EMC emission EN55015, EN61000-3-2, EN61000-3-3; EN 60669-2-1 EN61000-4-2, EN61000-4-3; EN61000-4-4; EN61000-4-5; EN61000-4-6; EN61000-4-8; EN61000-4-11; EN61547; Surge immunity L Line- N Line:1KV; Contact opening(gap) and switch performance Method of actuating Method of mounting Flush-type Method of installation Design ASwitches where the cover or cover place can be removed without displacement of the conductor		Withstand voltage	All poles together - Accessible parts: 4KVac
& EMC EMC emission EN55015, EN61000-3-2, EN61000-3-3; EN 60669-2-1 EN61000-4-2, EN61000-4-3; EN61000-4-4; EN61000-4-5; EN61000-4-6; EN61000-4-8; EN61000-4-11; EN61547; Surge immunity L Line- N Line:1KV; Contact opening(gap) and switch performance Method of actuating Rotary(Dimming); Push(ON/OFF) Environment Method of mounting Flush-type Method of installation Design ASwitches where the cover or cover place can be removed without displacement of the conductor		Isolation resistance	All poles together - Accessible parts: 100M Ohms/500Vdc/25°C/75%RH
EMC immunity EN61000-4-8; EN61000-4-11; EN61547; Surge immunity L Line- N Line:1KV; Contact opening(gap) and switch performance Method of actuating Environment Method of mounting Method of installation Design ASwitches where the cover or cover place can be removed without displacement of the conductor		EMC emission	EN55015, EN61000-3-2, EN61000-3-3; EN 60669-2-1
Contact opening(gap) and switch performance Method of actuating Environment Method of installation Contact opening(gap) and switch performance Method of actuating Rotary(Dimming); Push(ON/OFF) Flush-type Design ASwitches where the cover or cover place can be removed without displacement of the conductor		EMC immunity	EN61000-4-8; EN61000-4-11; EN61547;
Environment 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 displacement of the conductor	Environment		
Environment Method of mounting Flush-type Method of installation Design ASwitches where the cover or cover place can be removed without displacement of the conductor		·	Rotary(Dimming); Push(ON/OFF)
Method of installation Design ASwitches where the cover or cover place can be removed without displacement of the conductor			21 21 1
displacement of the conductor		_	Design ASwitches where the cover or cover place can be removed without
7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Type of terminals	Screw -type



	Ambient temperature range ⁹	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







