

1402765 DATASHEET



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 and short-circuit
- Grow wire tested 850° for 30S for enclosure and 850° for 30S for PCB
- Operating temperature ¹: -10°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

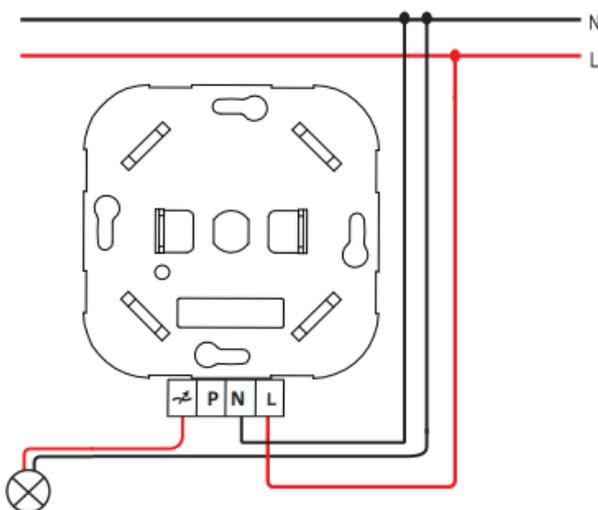
PARAMETERS

MODEL		1402760 Dimmer DATASHEET				
Output	Output voltage	220-240Vac; Max 264Vac; Min 198Vac				
	Maximum power	250W				
	Minimum power	5W for LED lamps, incandescent and halogen lamps				
	Rated current	1.04-1.14A				
	Max current	work voltage	198Vac	220Vac	240Vac	264Vac
		Max current	1.26A	1.14A	1.04A	0.94A
	Inrush current	72A				
	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=1.04 / c (According the Max current value)				
		Method 2: Quantity of lighting=250 / b (According the VA value)				
	Starting time	<2.0S				
	Turn off time	<2.0S				
	Starting current	20mA: Single special color temperature regulating lamp				
Max load	20pcs Special color temperature adjustment lamp					
Noise ⁴	<45dB with distance of 200mm					
Input	Voltage	220-240V				
	Frequency	50Hz				
	Power factor	≥0.9: Incandescent Lamps @ Max output power				
	Efficiency ⁶	≥90% @ Max output power				
	AC current	1.04-1.14A				
	ON/OFF switches cycle	>40,000				
	Rotary lifetime	>10000				
	Standby power	<0.5W				
PUSH Control	Type of control element	Doorbell switch				
	Type of control mode	Short press: Turn on / off ; Long press: Press and hold the knob for over 3 seconds. The lights will flash once to enter the tunable white mode. Adjust the knob from left to right to set your desired color temperature and press hold knob again for 3s or switch off and on to save the temporary color temperature. Then it is ready to adjust the brightness with your desired color.				
Rotary Control	Type of control element	Encoder				
	Direction	Anticlockwise: decrease; Clockwise: increase				
Trimming	Range	Minimum lighting intensity: 0-50%; Maximum Lighting intensity: 50%-100%				
	Direction	Anticlockwise: increase; Clockwise: decrease				
Protection	Short current protection	The dimmer will protect itself from incorrect wiring Lamp breakdown as well as dimmer components internal short-circuit. When above situation happens the dimmer will be remain off state until problem has fixed.				
	Over load	Connection load over around 290W the dimmer will shut down itself. Reduce the load to resume.				

	Over temperature	Shut down output voltage, recovers automatically after temperature goes down
Safety & EMC	Safety standards	IEC/EN60669-2-1; IEC/EN60669-1
	Withstand voltage	All poles together - Accessible parts: 2kV a.c
	Isolation resistance	All poles together - Accessible parts: DC 500V >5M Ω
	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;EN61000-4-8;EN61000-4-11;EN61547; Surge immunity L Line- N Line:1kV;
Environment	Contact opening(gap) and switch performance	Without contact gap(semiconductor switching device) "E"
	Method of actuating	Rotary(Dimming); Push(ON/OFF)
	Method of mounting	Flush-type
	Method of installation	Design A--Switches where the cover or cover plate can be removed without displacement of the conductor
	Type of terminals	Screw -type
	Ambient temperature range ⁹	-10°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
	Lamp memory function	Yes
	Glow wire test	PCB: 850°C ; Enclosure: 850°C
	Dimension L x W x H	70 x 70x 24mm
	Warranty years	5 years

Wiring Instruction:

One way wiring connection:



Multiway way master+slave wiring connection:

Once connected with a push switch,click the push switch to switch ON/OFF, Press and hold to increase/decrease light intensity.

