

Datasheet Sallegra® IP Universal-Dimmer

Sallegra® 4-way universal dimmer



swissmade 

- High-quality metal housing with aluminium radiator for a low fire load and long service life
- Ethernet interface with 2 integrated LEDs
- 4 completely separate dimming channels
- Flicker-free dimming range
- Parallel connection of 2 dimming channels for Power increase
- Integrated one-button manual control per channel
- Operating display per channel
- Support load parallel switching
- Automatic load detection (phase angle, phase section)
- Galvanic isolation between the load circuits
- Overvoltage detection, overcurrent protection, overtemperature protection
- Automatic detection of the mains frequency
- Scene function
- 2 independent sequences per channel

The Sallegra® 4-way universal dimmer is suitable for all common dimmable lamps and is controlled via Ethernet interface. There are 4 separate dimmer inputs and outputs available, each of which can be loaded with 570 watts. The control circuits automatically recognise the connected load and accordingly automatically switch from section to gating technology and control the light source with a suitable control characteristic. With the help of DIP switches, however, the optimum dimming mode can also be assigned for known lamps.

Technical data:	
Electrical data (per channel)	
Power supply	12 V DC, 230 V
Mains frequenca	50 – 60 Hz
Back-up fuse	max. 13 A
Technology Dimming output	Trailing edge/leading edge with transistors
Maximum load dimming output	570 W / VA (2,5 A) resistive / inductive / capacitive
Minimum load dimming output	1 W resistive
Power loss at nominal load	4.7 W at rated load
Power loss standby	0.4 W
Cooling	Natural air circulation
Open-circuit voltage	< 35 V rms
Short-circuit overcurrent protection	Electronic quick breaking
Owerload protection	Temperature monitoring (operate value approx. 85 °C)
Switching edge	100µs, with rated lamp load
Operation / fault indication	LED "ON" per channel and network update LED
Push-button (integrated single-button control)	On / brighter / darker (for test purposes at commissioning)
Isolation	2500 V between interface part and dimmer
Switch-on delay	approx. 2 s (mains on)

Control	
Control voltage	Ethernet Interface (RJ45)
IP protocol	HTTP / Sallegra
Actuating time analogue	approx. 400 ms (setpoint-step response)
Status display	5 LED at the interface part
	4 LED at the power section
Mechanical data	
Housing	Sheet steel with aluminium cooler
Dimensions (W x H x D)	234 x 90 x 59 mm (depth 59 mm from rail profile)
Weight	approx. 850 g
Assembly	DIN rail profile 35mm
Supply connection	4 clamp-type terminals max. 2.5 mm ²
Connection of load	1 clamp-type terminal max. 2.5 mm ²
Control terminals	Ethernet connection RJ45
Ambient conditions	
Ambient temperature	0 °C to 45 °C
Storage temperature	max. 70 °C
Humidity	10 to 80 % rel. humidity (non-condensing)
Housing temperature	Max. 70 °C
IP rating	IP 20
CE marking	2004/108/EC, 2006/95/EC und 89/336/EWG
EN 60669-2-1	Safety requirements
EN 55015	Emitted interference
EN 55014-2 (VDE 0875)	Radio interference
EN 61000-3-2	Harmonics

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* Warranty ex works, normally 24 months, fixed at order. Information is current as of the date of publication. Subject to errors and modifications. / NOTE: Internal connections refer to connections inside the unit, generally mounted across a pin-header. External connections refer to those outside the box. Once mounted, only connections described as "front accessible" can be accessed by the customer.