

Model No: IRS-DIM4
Description: 4-Channel Dimmer



The IRS-DIM4 is a DIN rail mounted lighting control module with four dimming channels. Each single model supports from 100 to 240V AC. Each channel handles loading up to 3 Amps and the total loading for 4 channels is 12 Amps.

Safety Cutoff Relay

When any of the channel dim fully off the internal relative relay will be turned on automatically. It can provide isolation for safe operation and change the light bulbs on all four controlled circuits.

Product Specification

Loading Rating

Dimmer channels:	4
Maximum per Channel:	3A, 100-240V AC, 50/60Hz
Module total loading:	12A, 100-240V AC, 50/60Hz
Load types:	Incandescent

Connection

CH 1-4:	(4) 2-pin 5mm detachable terminal blocks
Live & neutral:	(1) 2-pin 5mm detachable terminal blocks
Net:	(2) 4-pin 3.5mm detachable terminal blocks

Indicators

Channel 1-4:	(4) Red LEDs show the status for each channel
TX/RX:	(2) Blue LEDs indicate data throw to/from other modules on the same bus
RUN:	(1) Green LED flashing when device operated normally
OVR:	(1) Red LED for override mode indication

Control

NET ID:	(1) 8 digital physical address switch for setting RoomNet ID
OVR:	(1) Recessed miniature pushbutton, enable override mode, device will bypass program to provide power for all channels directly
RESET:	(1) Recessed miniature pushbutton, reset the module

Input Voltage

Line power:	100 – 240Volts AC, 50/60Hz
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Power Requirements

RoomNet power usage:	1.08 Watts (45mAmps@24 Volts DC)
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Enclosure

Light gray polycarbonate housing with polycarbonate label overlay, UL94 V-0, 35mm DIN EN 60715 rail mounted, DIN 43880 form factor of enclosure with 45 mm front panel cutout

Environmental

Operation temperature:	0°C - 45°C
Operation humidity:	20% - 90%

Dimension

Height:	90 mm
Width:	144 mm
Depth:	58 mm
Weight:	310 g

Features

- 4 dimming channel
- Support 100 to 240V AC, 50/60 Hz
- Control up to 4 independent zones
- Proprietary RoomNet communication
- Override control
- Reset function
- Standard 35mm DIN rail mounting