

# DimGate DIN

DMX AC dimmer with four additional 0-10V/1-10V outputs

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DimGate DIN is hybrid DIN-rail dimmer that converts DMX512 data to 4 independent 110-230 VAC outputs up to 2.4 kW each to provide dimming of incandescent lamps and other dimmable luminaires. Additional four 1-10V (or 0-10V) outputs are supplied to integrate devices with 1-10V dimmable drivers and electronic ballasts into DMX controlled surrounding. With DIN rail mounting hassle-free installation and DMX input, DimGate DIN is ideal as indoor solution for mixed lighting control purposes in theatres, stadiums, small venues, architectural installations, industrial, warehouse, and agricultural lighting.



Supports RDM



UltraStart



Galvanically  
Isolated Ports



Natural Heat  
Convection



Permanent  
Laser Engraving

## Application

Dimming and switching power lines by DMX512  
Control incandescent bulbs by DMX512  
Control halogen bulbs by DMX512  
Smooth 1-10V/0-10V dimming

## Advantages

Dim AC lines and 1-10V/0-10V lines from one device  
Independent phase inputs for dimmable 230V channels  
Active analogue 1-10V/0-10V outputs, capable to connect up to 100 drivers/ballasts  
Maximum surge protection – power supply optimized for voltage from 100 to 315 V  
AC switcher mode  
Full galvanic isolation of all ports (except 1-10V)

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## Technical Specifications

### Mechanical

- Housing: DIN mounted case (12 modules)
- Material: Metal, Plastic
- Dimensions, mm: 210(D) x 105(H) x 75(W)
- Mass: 0.85 kg
- Mounting: DIN rail in the power cabinet or individual waterproof box

### Power & Electrical

- Input Voltage: AC 90-230 V, 50 Hz
- Max current per channel 230 V: 10A
- Maximum load power: 2.4 kW per channel
- Mains Fuse: 0.5 A

### Environmental

- Operating Temperature: -40...+70°C
- Storage Temperature: -50...+80°C
- Operating Relative Humidity (max): 95%
- IP Rating: IP 20
- Certification: CE, RoHS
- Warranty: 36 Month (Return to base)

### Inputs/ Outputs

- Controllable output lines: 4 AC and 4 analogue 1-10V/0-10V
- Connectors: Terminal blocks

### Control / Data Connections

- Control interface: DMX512, RDM
- Number of DMX addresses: 8

### Configuration / Indication

- Setup: DIP switchers, RDM
- Indication: DMX status LED

### Package Contents

- DimGate DIN
- User guide
- Connectors kit

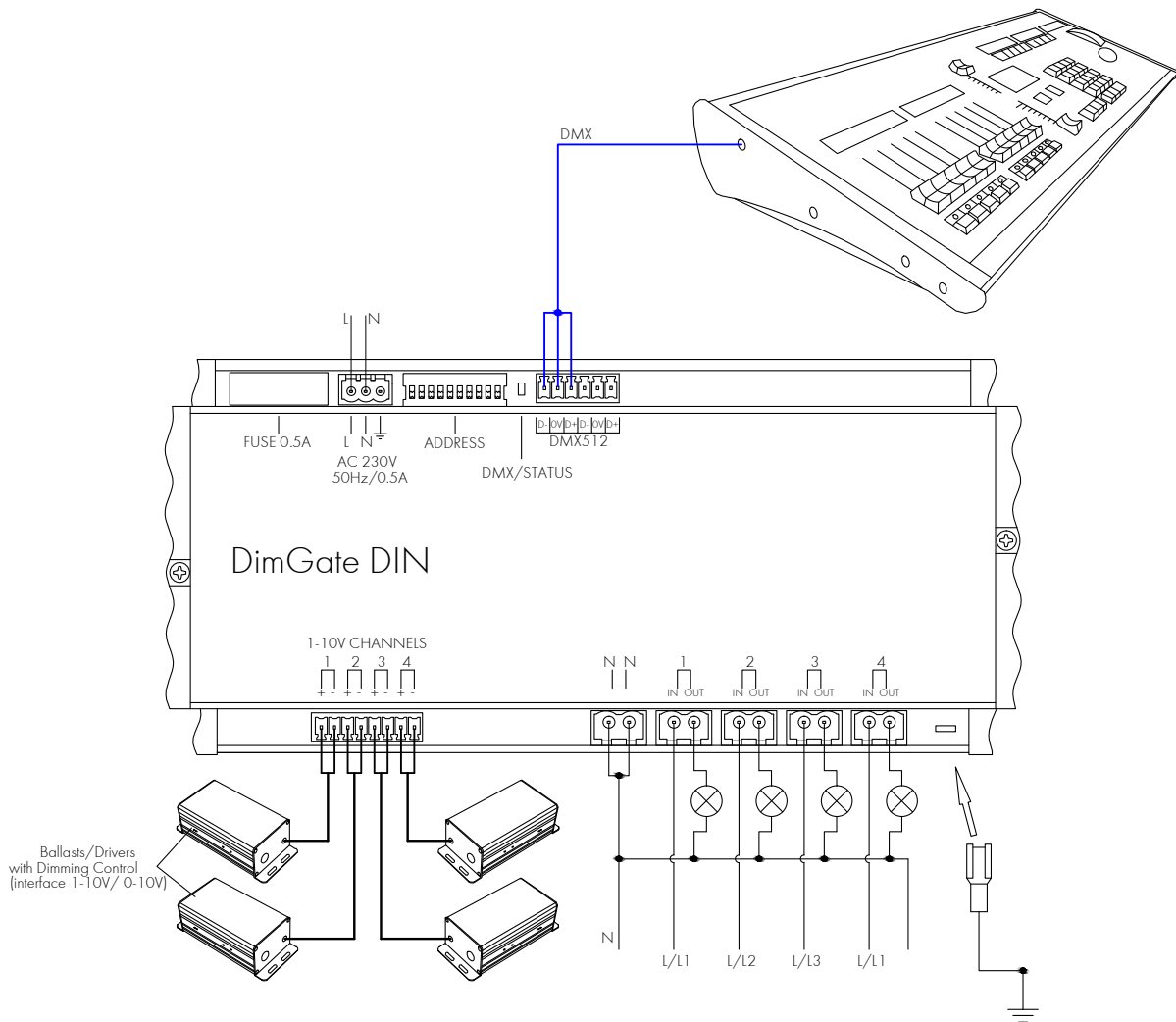
## Product Line

| Name        | Modification   | Product Code   |
|-------------|--|----------------|
| DimGate DIN | 1 DMX input, 4 AC and 4 analogue 1-10V/0-10V outputs | DGD-1-D4DIM4AC |

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## Connection Scheme



## Accessories

**Name**

Waterproof box  
DIN rail mounting kit

**Product Code**

QUL-C-AC-IP65  
QUL-C-AC-DIN

### Disclaimer

To the best of our knowledge, the technical data contained herein is true and accurate at the date of issuance and is subject to change without prior notice. No liability accepted for errors or omissions. Always make sure to use the most recent release and contact Sundrax Electronics to verify correctness before placing your order.