

LUD12-IQ

Universal 230 VAC light driver



| | |
|---------------|--------------------------|
| Model number: | LUD12-IQ |
| Connects to: | LD-P4-IQ |
| Mounting: | DIN rail, 1M, 18 mm |
| Dimensions: | 18 × 63 × 87 mm |

Applications

- Dimming all 230 VAC dimmable lights

Features

- Automatic load detection
- Electronic overload protection
- Over-temperature shutdown


General description

Activation takes place from the [LD-P4-IQ](#). The output voltage is adjusted from 0-100% depending on the [LD-P4-IQ](#) command. The activation terminals X1/X2 in the LUD12 are isolated from the mains voltage by an optocoupler. Automatic load detection, electronic overload protection and over-temperature shutdown are active and independent from activation.

Technical specifications

| | |
|----------------------------------|--|
| Supply voltage | 230 VAC |
| Output power: | |
| Incandescent lamps 230V (R) | 400 W |
| Halogen lamps 230V (R) | 400 W |
| Inductive transformers (L) | 400 W |
| Capacitive transformers (C) | 400 W |
| Dimmable energy saving lamps ESL | 400 W |
| Dimmable 230V LED lamps | 400 W |
| Parameters for PWM activation: | |
| Frequency: | 100Hz |
| Duty cycle: | 0 (= OFF) linear up to 90% (= full output voltage) |
| Level: | 10-24 volts (e.g. PLC output) |
| Activation current: | 1mA (10V) to 3mA (24V) |
| Connection polarity: | X1 = +, X2 = - (GND), polarity reversal protection |
| Isolation: | by optocoupler |

Terminals

| | | | | | |
|-----------------|-----------|-----------|----------------------------|--|-------------------------------|
| LD-P4-IQ common | X1 | PWM input | Light output |  | Lamp live |
| LD-P4-IQ output | X2 | | Light power supply live | L | Lights power supply |
| | | | Light power supply neutral | N | Neutral power supply and lamp |