Robotina d.o.o.
OIC Hrpelje 38
SI-6240 Kozina
Slovenia

1. 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

1.1. Applications

- Dimming all 230 VAC dimmable lights

1.2. Features

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

1.3. 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.

1.4. 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

1.5. Terminals

LD-P4-IQ common	**X1**	PWM intput	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