LD-P4-IQ

4 channel driver for universal lights dimmers

Model number:	**LD-P4-IQ**
Mounting:	DIN rail, 2M / 35 mm

Applications

- 4 individual 230 VAC dimmable lights

Features

- button or potentiometer input
    - auto-detect input type
    - potentiometer auto-range
- External LUD-12-IQ power drivers with:
    - Automatic load detection (L or C loads)
    - Electronic overload protection
    - Over-temperature shutdown

General description

The universal lights dimmer LD-P4-HIQ is 4 channels controller for LUD-12-IQ universal light dimmers. LD-P4-HIQ supports local control buttons or potentiometers connected directly to it, which can be mixed and are auto-detected.

Many features are available in the stand alone mode, while advanced features like scenes, scheduling, smartphone operation, internet connection are only available when connected to the appropriate Home Controller.
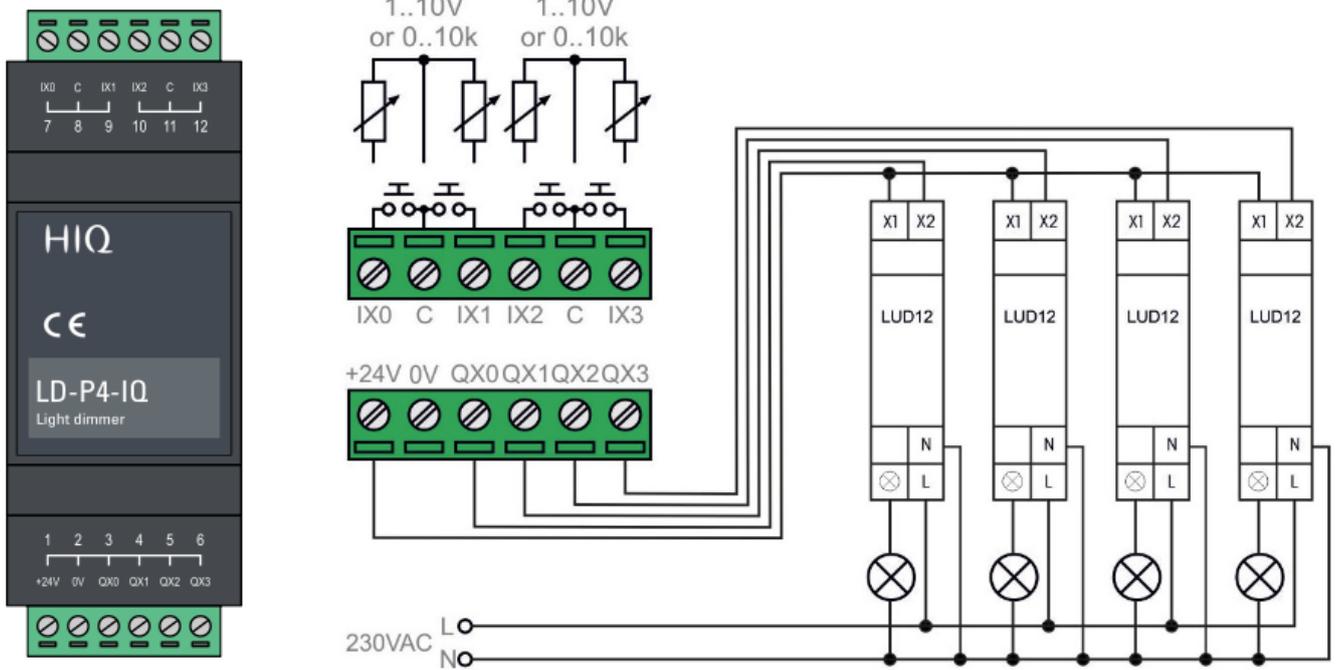
LUD-12-IQ universal dimmer can be used for any type of dimmable 230 VAC lights. It automatically detects load type (L loads and C loads). Dimmer is electronically protected against overload and over-temperature.
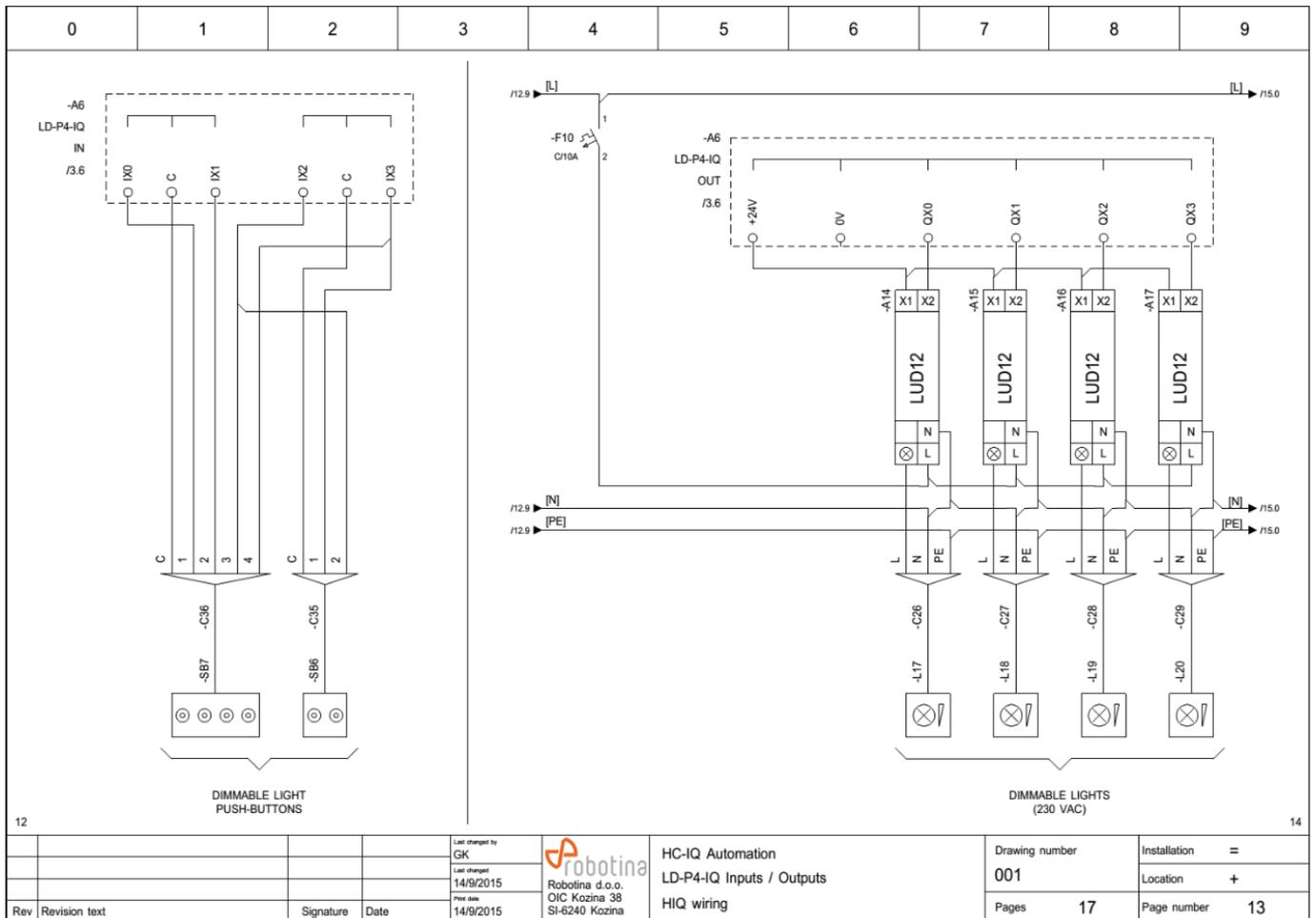
Technical specification

Analog inputs:	10k / 1-10 V; auto-range
Digital inputs:	internal pull-up, 12V, 2mA
PWM output:	
Power supply:	24V/25mA
Ingress protection:	IP20
Operating temperature:	0..45°C
Storage temperature:	-20..75°C
Relative humidity:	0..95% n/c

Terminals

Power supply / Drivers common (X1)	+24V	1	Power supply		Digital input 0	7	IX0	Light 0 push-button
Power supply	0V	2			Inputs common	8	C	Push-buttons common
Driver 0 PWM input (X2)	QX0	3	PWM output 0		Digital input 1	9	IX1	Light 1 push-button
Driver 1 PWM input (X2)	QX1	4	PWM output 1		Digital input 2	10	IX2	Light 2 push-button
Driver 2 PWM input (X2)	QX2	5	PWM output 2		Inputs common	11	C	Push-buttons common
Driver 3 PWM input (X2)	QX3	6	PWM output 3		Digital input 3	12	IX3	Light 3 push-button

Wiring diagram

Bus Connection Cable

- The product includes a 2.5 cm RJ9-to-RJ9 bus cable (Order code: CAD-P0) for connection to controllers, allowing the units to be linked together.
- Longer cable versions are available under order codes CAD-Px.

Dimensions

36

58

107

HIQ

LD-P4-IQ