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

1. LD-P4-IQ

4 channel driver for universal lights dimmers



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

1.1. Applications

- 4 individual 230 VAC dimmable lights

1.2. 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

1.3. 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.

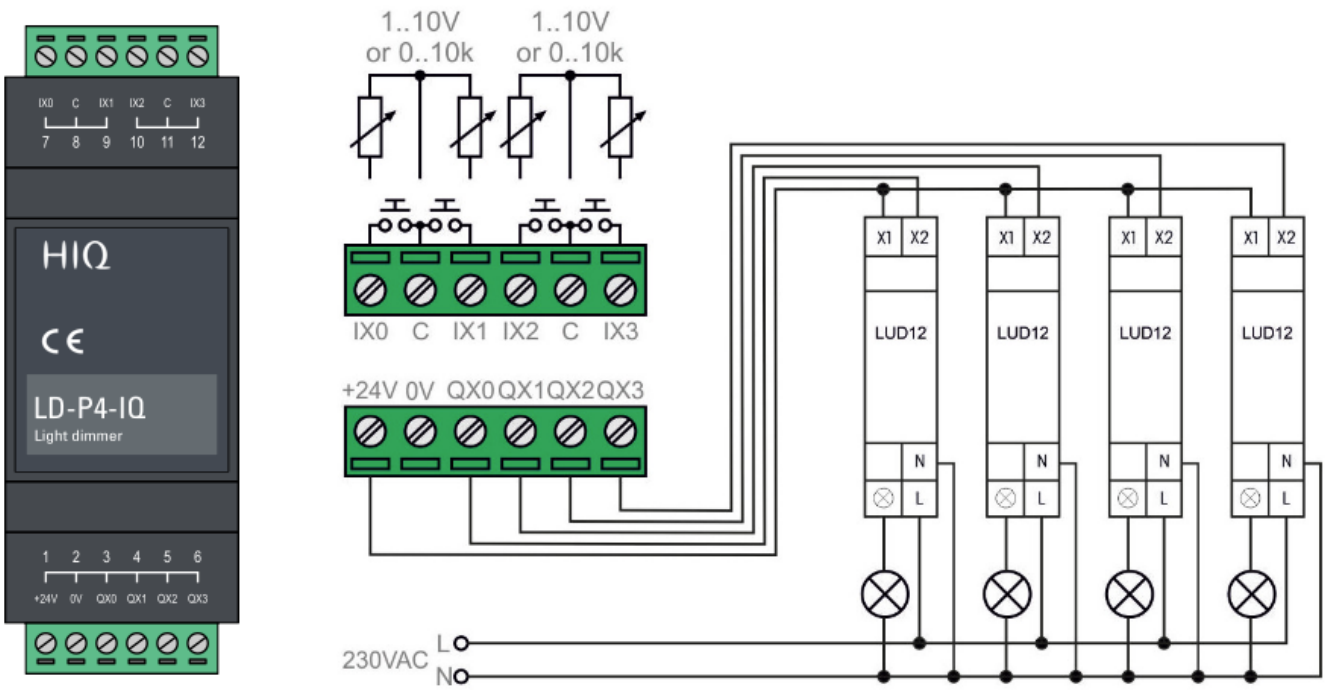
LUD-12-IQ universal dimmer can be used for any type of dimmable 230 VAC lights. It automatically detects load type (L loads and C loads). Dimmer is electronically protected against overload and over-temperature.

1.4. Technical specification

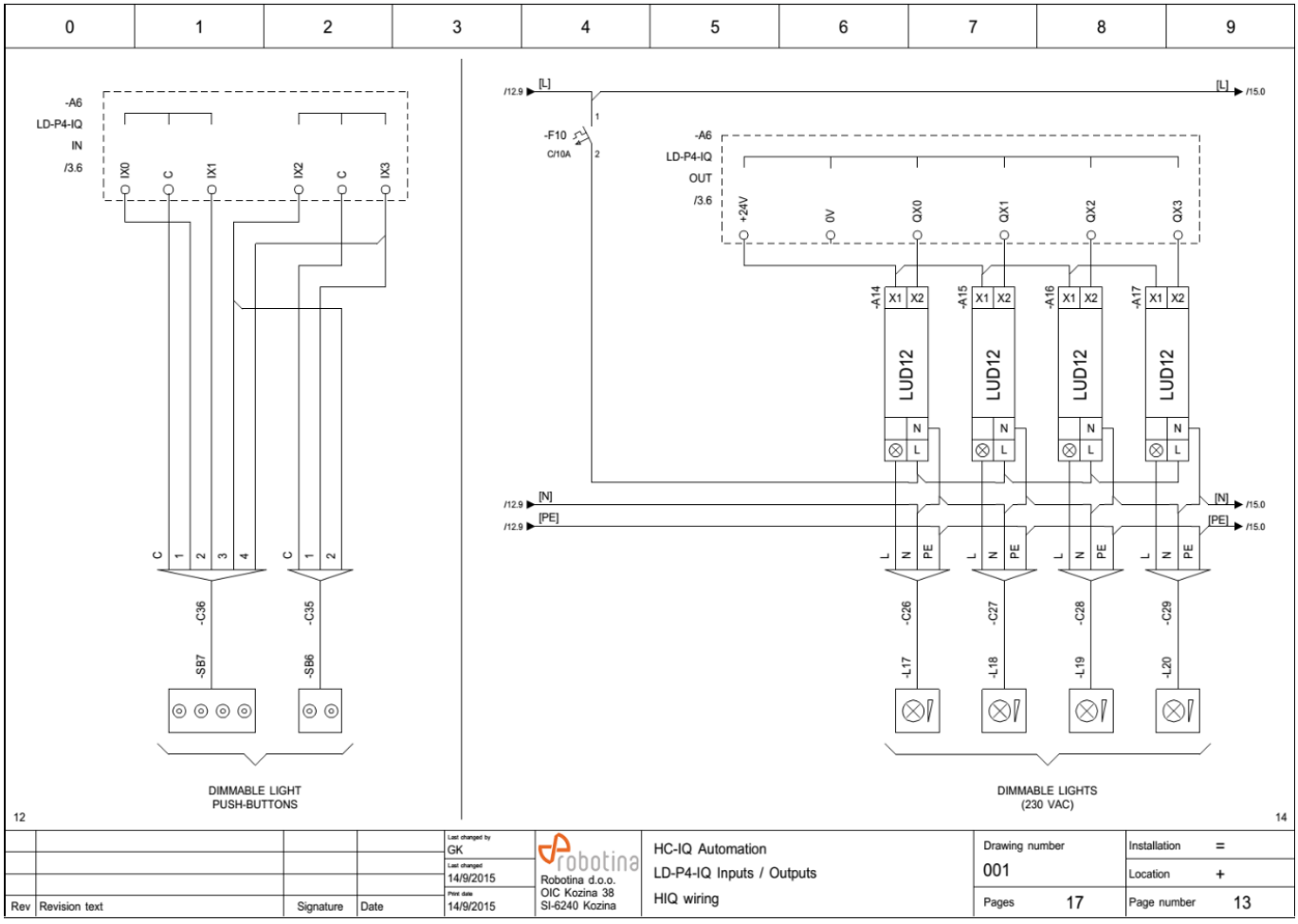
Analog inputs:	10k / 1-10 V; auto-range
Digital inputs:	internal pull-up, 12V, 2mA
PWM output:	
Power supply:	24V/25mA
Ingress protection:	IP20
Operating temperature:	0..45°C
Storage temperature:	-20..75°C
Relative humidity:	0..95% n/c

1.5. 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



1.6. Wiring diagram



1.7. Dimensions

