# Light dimmers driver

**4 channel driver for universal lights dimmers**




| Model number: | **LD-P4-IQ** |
|---|---|
| Mounting: | DIN rail, 2M / 35 mm |
| Dimensions: | 36×108×58mm |

## Applications

- 4 individual 230 VAC dimmable lights

## Features

- button or potentiometer input
  - auto-detect input type
  - potentiometer auto-range
- External LUD-12 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 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.

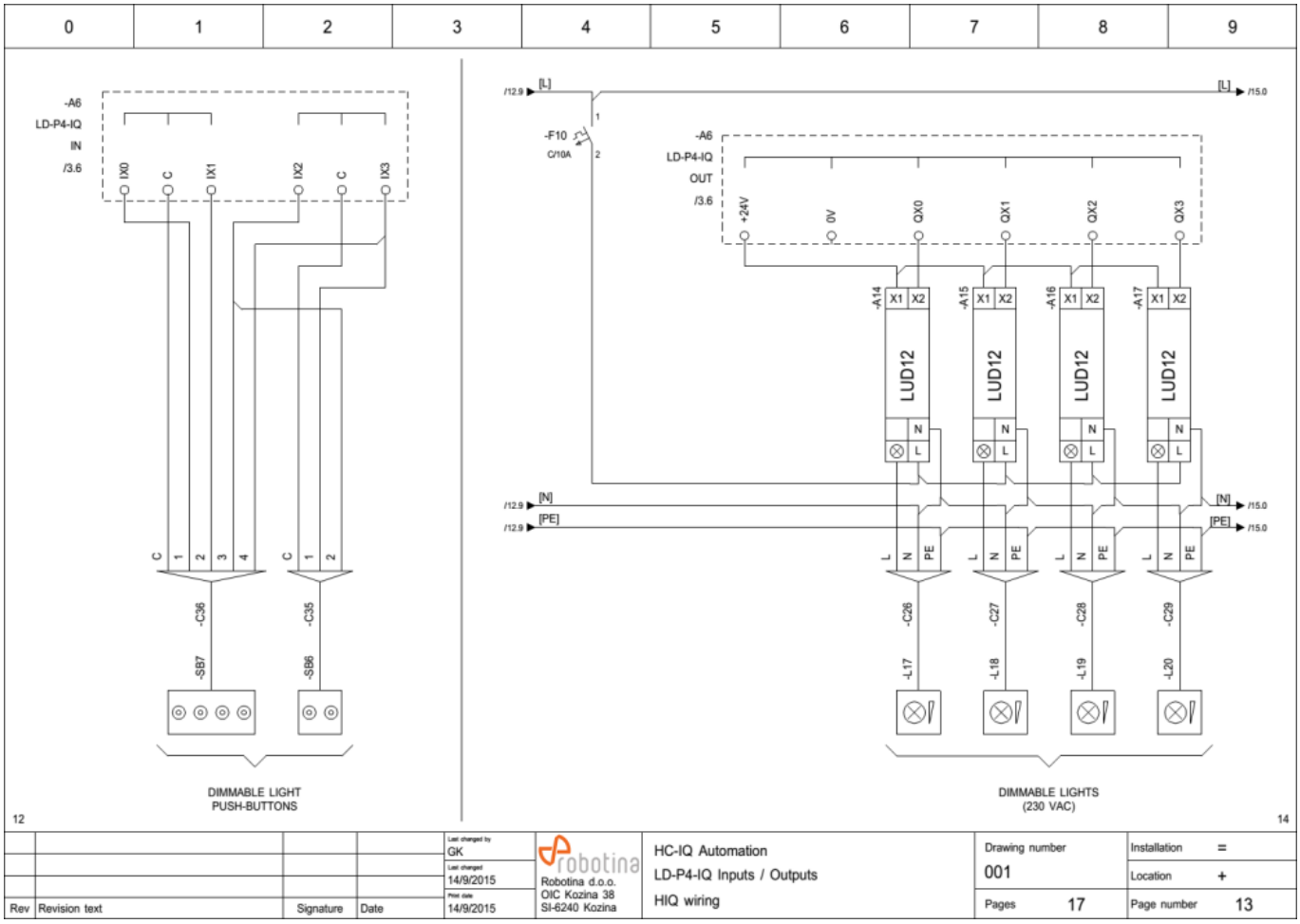
LUD-12 universal dimmer can be used for any type of dimmable 230 VAC lights. It automatically detects load type (L loads and C loads). Dimmer is electronically protected against overload and over-temperature.

# Technical specification

| | |
|---|---|
| Analog inputs: | 10k / 1-10 V; auto-range |
| Digital inputs: | internal pull-up, 12V, 2mA |
| PWM output: | |
| Power supply: | 24V/??mA |
| 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 |




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