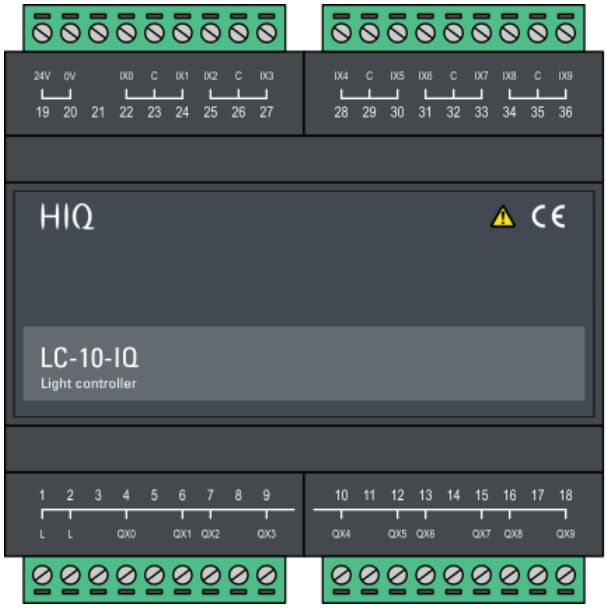
Light controller

10 relay-controlled outputs



Model number:	**LC-10-IQ mk1**
Mounting:	DIN rail, 6M, 106 mm
Dimensions:	106×108×58 mm

Applications

- general purpose discrete (ON/OFF) lights
- automatic corridor and stairs lights
- door-bell
- managed sockets
- bathroom and other single speed fans
- managed appliances (boiler, oven, electric cooker, …)

Features

- Configurable output:
  - Normal mode - general purpose light; input toggles light
  - Timer (auto off) mode - transitional lights; often used in combination with a presence sensor
- Configurable input:
  - Normal (toggle push-button)
  - Timer reload (extended time for staircase lighting)
  - Momentary (output is active while input is pressed - used for doorbell)
  - Presence or door sensor (sensor activates light, use timer mode for auto off)

    - Scene set (no direct light action)
- Smart restart after power supply interruption
- Stand alone / HIQ expansion
- PC, smartphone and cloud connectivity

General description

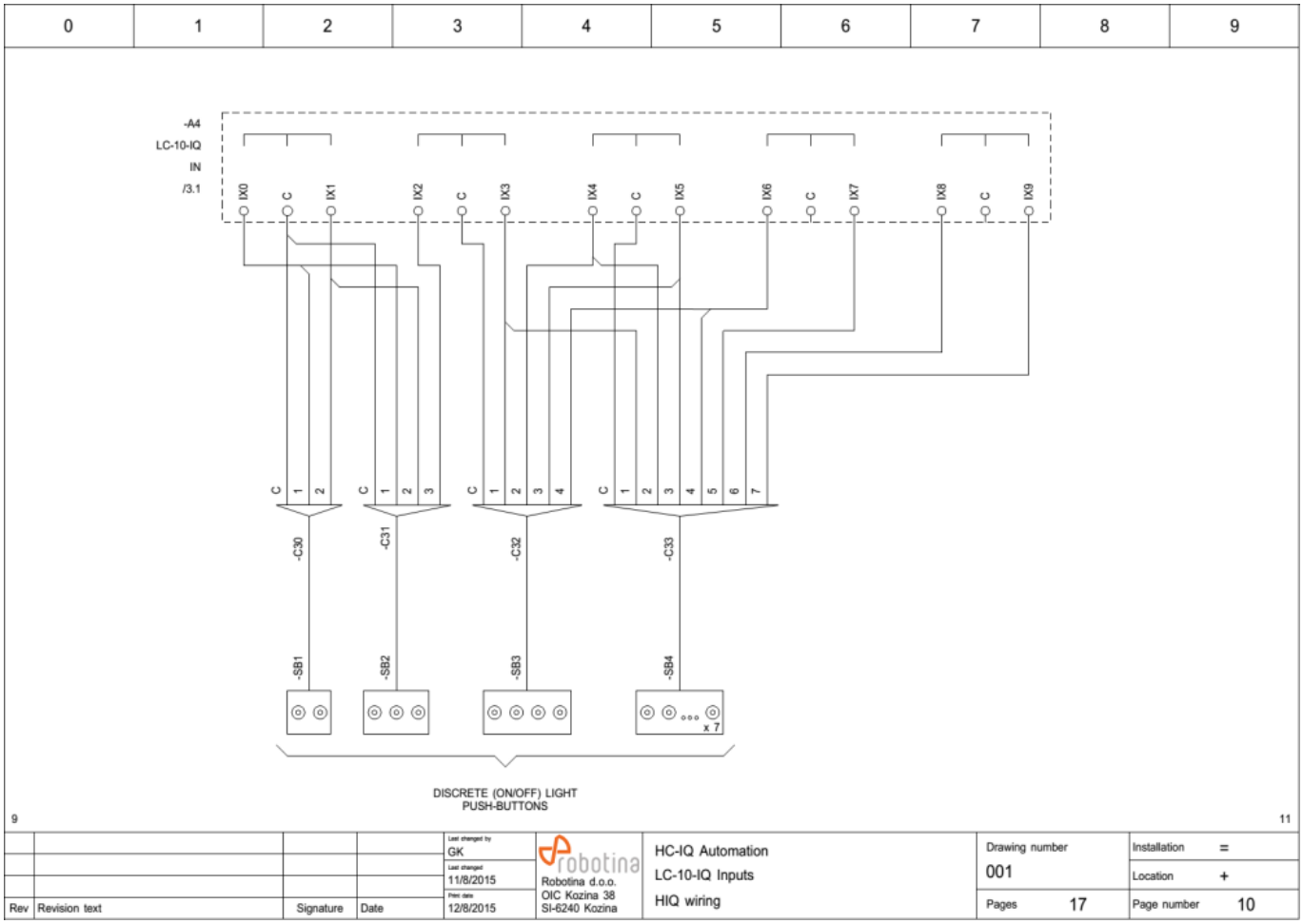
The discrete light controller LC-10-IQ is HIQ intelligent expansion module primarily used for controlling discrete (non-dimmable) lights. Featuring high power relay output, it can control other consumers too (mains sockets, heaters, fans,..). LC-10-IQ can be used as stand-alone or part of the integrated system, when connected to one of HIQ Home Controller. 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.

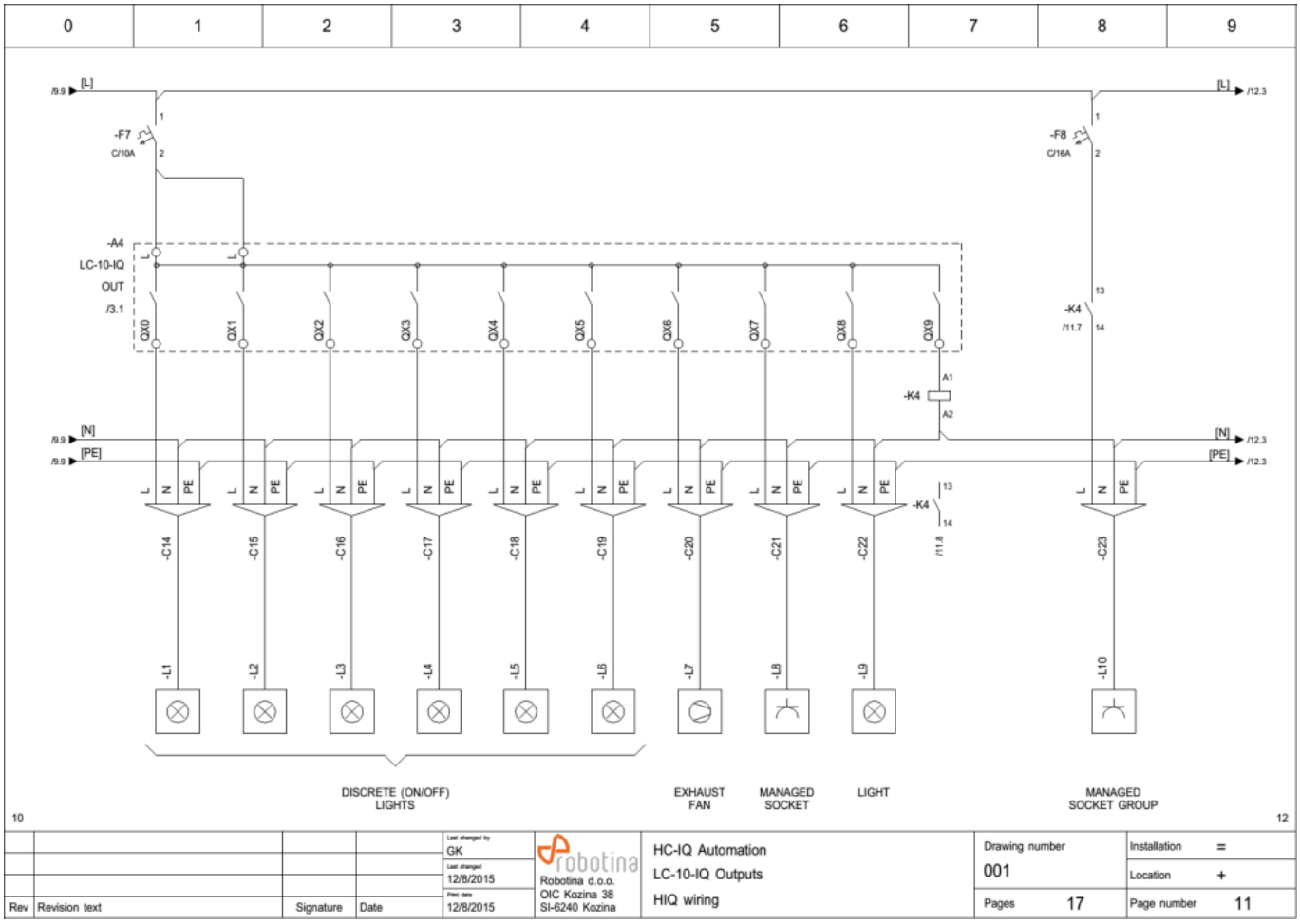
Technical specification

Output power per relay	
- incandescent / halogen 230V	800 W
- halogen 12 V with transformer	400 W
- fluorescent with electronic ballast	400 W
- parallel compensated fluo lamps	250 W / 30 uF
- electric heater	1400 W
Total output power (all relays):	4000 W
Relay rated current:	8 A
Inputs	internal pull-up, 12 V, 2 mA
Maximum input cable length:	50 m
Power supply:	24 V / max. 145 mA
Ingress protection:	IP20
Operating temperature:	0..45 °C
Storage temperature:	-20..75 °C
Relative humidity:	0..95 % n/c

Terminals

Lights power supply	**L**	**1**	Relay outputs common	Power supply	**19**	**24V**	+24 VDC power supply
	L	**2**			**20**	**0V**	0 VDC power supply
		3			**21**		
Light 0 live	**QX0**	**4**	Relay output 0	Digital input 0	**22**	**IX0**	Light 0 push-button
		5			**23**		
Light 1 live	**QX1**	**6**	Relay output 1	Digital input 1	**24**	**IX1**	Light 1 push-button
Light 2 live	**QX2**	**7**	Relay output 2	Digital input 2	**25**	**IX2**	Light 2 push-button
		8			**26**		
Light 3 live	**QX3**	**9**	Relay output 3	Digital input 3	**27**	**IX3**	Light 3 push-button
Light 4 live	**QX4**	**10**	Relay output 4	Digital input 4	**28**	**IX4**	Light 4 push-button
		11			**29**		
Light 5 live	**QX5**	**12**	Relay output 5	Digital input 5	**30**	**IX5**	Light 5 push-button
Light 6 live	**QX6**	**13**	Relay output 6	Digital input 6	**31**	**IX6**	Light 6 push-button
		14			**32**		
Light 7 live	**QX7**	**15**	Relay output 7	Digital input 7	**33**	**IX7**	Light 7 push-button
Light 8 live	**QX8**	**16**	Relay output 8	Digital input 8	**34**	**IX8**	Light 8 push-button
		17			**35**		
Light 9 live	**QX9**	**18**	Relay output 9	Digital input 9	**36**	**IX9**	Light 9 push-button





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