OP-8 Touch operator panel

IEX-2 MODULE



Model number:	**OP-8-B**	Black tempered glass
	OP-8-W	White tempered glass
	OP-8C-B	Display support characters in Cyrillic, Black tempered glass
	OP-8C-W	Display supports characters in Cyrillic, White tempered glass
Mounting:	M4 installation box, wall (order code OP-8 Wall Kit)	
Dimensions:	144x80x7mm	

Features

- IEX-2 module
- Touch operator panel
- LCD display 2×20 characters
- LCD display white/blue
- Temperature sensor
- Humidity sensor
- Light sensor
- IR receiver
- Beeper
- 1 switch/potentiometer input
- 1 temperature sensor input

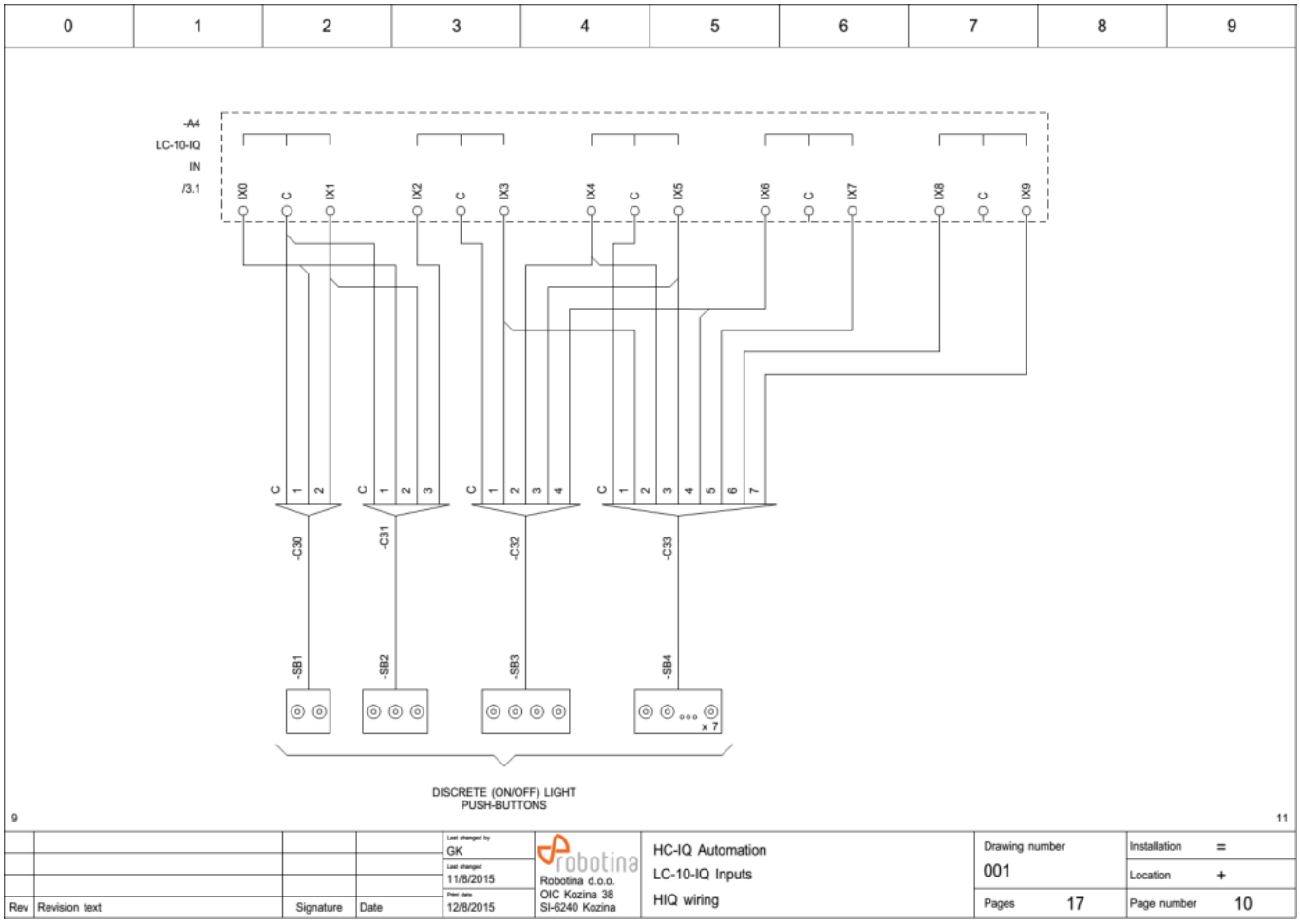
Technical specifications

Display	LCD 2×20 characters
Characters size	3x5mm

Keys	5 touch keys, tactile feedback
Backlight	blue LED, adjustable 0...100%
IR receiver	RC5 36kHz, receiving distance 5m
Input type	dry contact, internal pull-up 12V 2mA,
	analog input 0...10V (10bit, 0..1023)
Temperature measurement	from 0°C to +50°C
error:	0.5°C typ.(0°C to +50°C, backlight at 20%)
resolution:	0.1°C (12bit)
readout:	0.1°C (254 equals 25.4°C)
Humidity measurement:	from 0 to 100%rh, non-condensing
error:	2% rh @25°C
response time:	15s
stability:	1% rh @ 50% rh in 5 years
resolution:	1% (7 bit)
readout:	1% rh (45 equals 45% rh)
External temperature sensor:	ES-P, ES-B or ES-W
Power supply:	24V (18..28V) 50mA
Degree of protection:	IP20
Operating conditions:	0..50°C, 0..85% rh non-condensing
Storage temperature:	-20..75°C
Mounting:	M4 installation box or wall
Dimensions:	144x80x7mm
Weight:	200g
Level of ambient pollution:	2
Standards:	EN 60730-1

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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