# 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

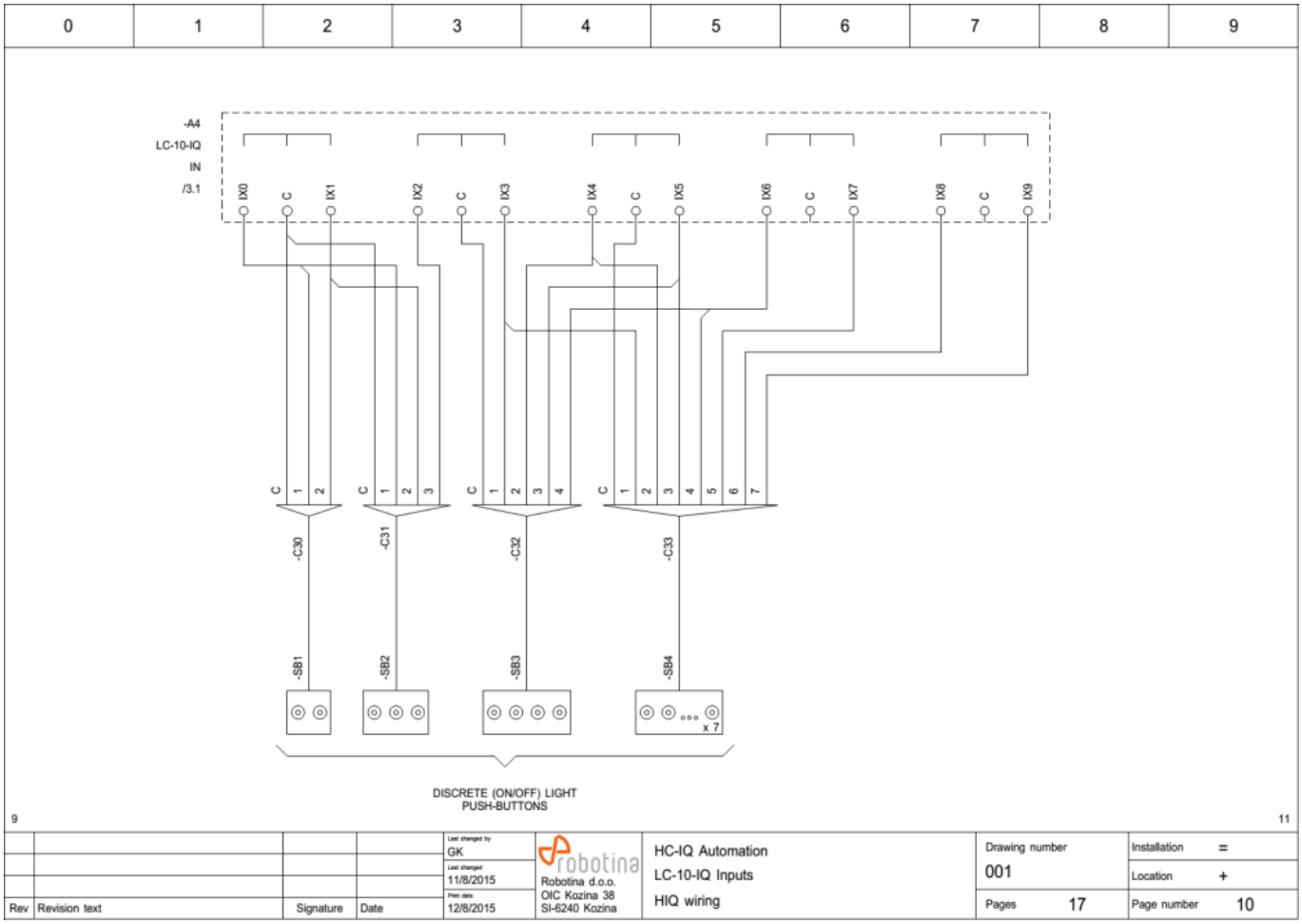
## Technical specifications

| | |
|---|---|
| **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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