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

# 1. OP-8

** Touch operator panel with LCD display**



| | | |
|---|---|---|
| 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 | |

## 1.1. 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

## 1.2. 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 |

## 1.3. Terminals




