## KNX Inwall Modul 8 IN / 4 OUT LED

**This KNX module includes 4 analogue / 4 digital inputs for potential-free contacts or temperature sensors and 4 LED outputs. Digital inputs can connect sensors, conventional buttons, etc. via an interface.**
**4 low-voltage/low-current output channels for operating LED signal lamps. Inputs 5 to 8, set as anlogue inputs, activte up to 2 temperature sensors (with on/off limit) and 2 thermostats to control heating and cooling systems, valves, fan coil units with 2 and 4 pipes.**

### Temperature sensor
**NTC Resistance tolerance ±3%**
**Measuring range: - 20°C - +100°C**

### External Temperature sensor
**Length 1250 mm**
**NTC Resistance tolerance ±2%**
**Measuring range: - 50°C - + 60°C**

| Technical data: | |
|---|---|
| | |
| **Power supply** | |
| | Via bus EIB/KNX cable |
| Voltage | 21..30V DC |
| Current Consumption EIB/KNX | < 10mA |
| **12 Channels configurable as** | |
| | [01 ÷ 04] 4 digital inputs clean contacts) |
| | [05 ÷ 08] 4 digital or analog inputs (for clean contacts or temperature sensors) |
| | [09 ÷ 12] 4 digital outputs (outputs for LED) |
| **Digital Input** | |
| | 8 channels [01 ÷ 08] for clean contacts |
| Input [01 ÷ 04]: | Max. lenght of connecting cable: 30m (twisted cable) |
| | Wired with 0,2 mm² - 18 cm length |
| Input [05 ÷ 08]: | Max. length of connectin cable: 10m (twisted cable) |
| | 6 poles terminal with screws |
| | Blind and shutters control |
| | Scenarios |

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| Analogue inputs | |
|---|---|
| | 4 channels [05 ÷ 08] configurable as temperature sensor Eelectron |
| | 2 channels [05 ÷ 06] configurable as thermostat |
| **Digital Outputs** | |
| | 4 outputs for driving LED 0.3 mA / channel |
| | Use with LED Eelectron |
| | Wired with 0,2 mm² 18 WNG – inputs  [01 ÷ 04] |
| **Heating and cooling modes** | |
| | Command with HVAC mode or setpoint |
| | Setpoint modification through bus |
| | 2 points ON / OFF and PWM control algorithm |
| | 3-speeds fancoil control |
| | OFF mode on window open detection |
| **Control elements** | |
| | EIB/KNX Red LED and button |
| **Terms of use** | |
| | The device may be used for permanent indoor installations in dry locations within wall box mounts |
| Operating temperature | 0 °C - +45 °C |
| Storage temperature | -20°C - +55 °C |
| Relative humidity | Max. 90% (non-condensing) |
| **Dimension / Weight** | |
| Dimension | 43 x 36 x 24 mm |
| Weight | ca. 35 g |
| Protection class | II according to EN 61140 |

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