

# CAN-UI10

## CANx 10 x Push-button inputs / 1 x PT1000 sensor input, flush-mounted

CAN-UI10 is a flush-mounted 10-channel binary input and LED controller with a built-in temperature sensor and thermostat, transforming any conventional switch into a CANx sensor.

### Physical interfaces

|                            |                                      |
|----------------------------|--------------------------------------|
| CAN FT                     | 1                                    |
| Programming / Reset button | 1                                    |
| USB 2.0                    | 1 (only for device firmware upgrade) |
| Temperature sensor         | 1                                    |
| PT1000 input               | 1                                    |
| Binary input / LED control | 10 (Outputs: 3.3 V, 5 mA)            |

### Power

|                   |                                 |
|-------------------|---------------------------------|
| Power supply      | 24 V DC                         |
| Power consumption | 0.24 W (stand-by), 0.26 W (max) |

### Connections

|                    |                                                             |
|--------------------|-------------------------------------------------------------|
| CAN FT bus / Power | Bus connection terminal, 0.8 mm <sup>2</sup>                |
| I/O ports          | 2 x 6 pin Sharp ZH 1.5 mm connector (cables included)       |
| PT1000 input       | Screw terminals, 0.8 mm <sup>2</sup> .. 1.5 mm <sup>2</sup> |

### LED indicators

|       |                                 |
|-------|---------------------------------|
| Green | Bus activity / programming mode |
| Red   | Bus or hardware fault /reset    |

### Enclosure

|                         |                 |
|-------------------------|-----------------|
| Mounting support        | Flush-mounted   |
| Dimensions WxHxD        | 49 x 47 x 19 mm |
| IP degree of protection | IP20            |
| Net weight              | 27 g            |

### Standards compliance

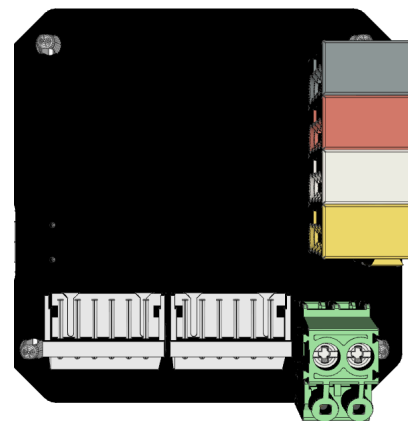
|     |                          |
|-----|--------------------------|
| EMC | EN61000-6-1; EN61000-6-3 |
|-----|--------------------------|

### Environment

|                         |                                   |
|-------------------------|-----------------------------------|
| Operational temperature | 0 °C .. +45 °C                    |
| Storage temperature     | -15 °C .. +55 °C                  |
| Relative humidity       | 0% ... 93% (without condensation) |

### Warranty

|  |         |
|--|---------|
|  | 2 years |
|--|---------|



### Key highlights

#### Robust and efficient communication

Utilizes time-proven CAN FT field bus.

#### High bandwidth CAN FT bus

Supports 48Kbps over CAN FT bus, ensuring fast and reliable data transfer.

#### LoRa-enabled variants

Selected CANx devices offer LoRa 433 wireless communication for flexibility.

#### Seamless protocol interoperability \*

Unified data types enable smooth integration with other systems such as KNX, Modbus, BACnet, MQTT, and more.

#### Co-exists with KNX while enhancing performance \*

Eliminates KNX fieldbus limitations (speed, semantics) while maintaining full user experience and compatibility with KNX.

#### ETS-friendly integration \*

Supports importing KNX project files and enriching them with semantics for advanced data modelling.

#### Comprehensive commissioning \*

Free CANx and DALI web-based commissioning tools available via the LogicMachine app store for device discovery, configuration and diagnostics.

*\* LogicMachine is required for commissioning and interconnectivity with other protocols.*

[logicmachine.net](http://logicmachine.net)