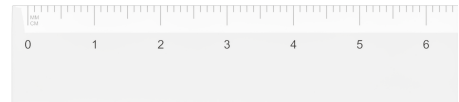


## 2 UI


TapHome 2 UI input module for temperature, buttons, 0–10 V and 4–20 mA. Terminals for humidity and CO2 sensors. Flush-mount box.



### Quick Facts

Dimensions	41 × 36 × 14 mm
Operating temperature	-20 ... 55 °C
IP rating	IP20
Power consumption	0.5 W

The module translates input information into internal bus communication. This enables large-scale installations with many inputs. Additionally, terminals for air humidity and CO2 sensors make it a universal distributed sensor hub.

Order Code	TH-2UI-FM-1.2
EAN	 8586022930126

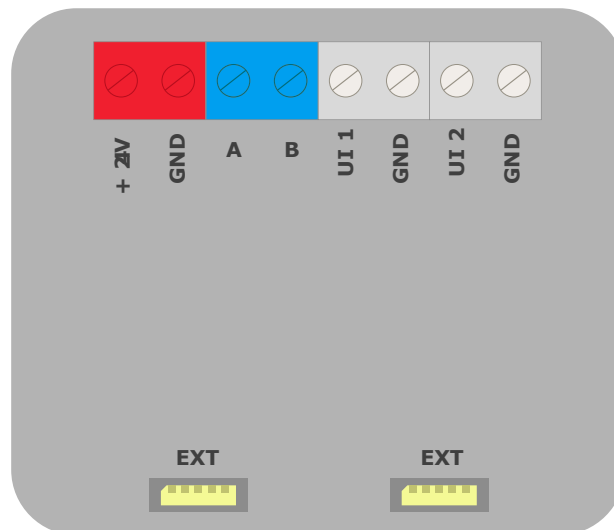
## Technical Specifications

ELECTRICAL	
Power supply	24 VDC $\pm$ 10%
Power consumption (idle)	1 W
Bus	TapHome Bus
INPUTS	
Universal inputs	2
Input types	NTC, button, reed, analog 0–10 V

## Terminal Connectors

Connector	Pins	Wire range	Strip length
● Power	+24V, GND	0.13–1.3 mm <sup>2</sup> (26–16 AWG)	7 mm
● Bus	Bus A, Bus B	0.13–1.3 mm <sup>2</sup> (26–16 AWG)	7 mm
● Inputs	UI 1 / GND, UI 2 / GND	0.13–1.3 mm <sup>2</sup> (26–16 AWG)	7 mm
○ EXT Sensors	EXT 1, EXT 2	mm <sup>2</sup> ( AWG)	mm

## Wiring Diagram



## Features

- 2 universal inputs configurable for:
- NTC temperature inputs with resistance measurement range 100  $\Omega$  – 100 k $\Omega$   $\pm$ 50  $\Omega$ . Measurement deviation on 1 km Cat6 cable: -0.3  $^{\circ}$ C at 25  $^{\circ}$ C.
- Push button inputs

- Reed / status inputs
- Impulse counter inputs, frequency 100 Hz per channel, sample rate 200 Hz per channel, pulse on time >5 ms
- Analog inputs 0–10 V with voltage measurement range 0–12 VDC, single-ended type, resolution 8 bits, accuracy 0.1% of full scale, input impedance >16 k $\Omega$ , normal mode rejection 50 dB at 55 Hz, conversion time 1250 ms
- For analog input 4–20 mA, connect a 500  $\Omega$  resistor and set the input minimum voltage to 2 V in service settings
- 2 EXT terminals for relative air humidity sensor and CO2 sensor
- Power supply 24 VDC  $\pm$ 10 %
- Energy consumption 0.4 W
- Operating temperature: -20 to +55  $^{\circ}$ C
- Installation into a flush-mount switch box. Width 41 mm, height 23 mm.



Product page

[https://hardware.taphome.com/  
2-ui/](https://hardware.taphome.com/2-ui/)

