

# 1. TGP-4D-01-IQ

## 1.1. Touch HMI, Black frame



|               |                          |
|---------------|--------------------------|
| Model number: | <b>TGP-4D-01-IQ</b>      |
| Mounting:     | in-wall, fi 60 flush box |

## 1.2. General description

TGP-4D-01-IQ is a 4-inch graphic panel with capacitive touch, designed for Cybro/HIQ building automation systems. It features a high-resolution TFT display, internal beeper, adjustable backlight brightness, and RS485 communication.

## 1.3. Features

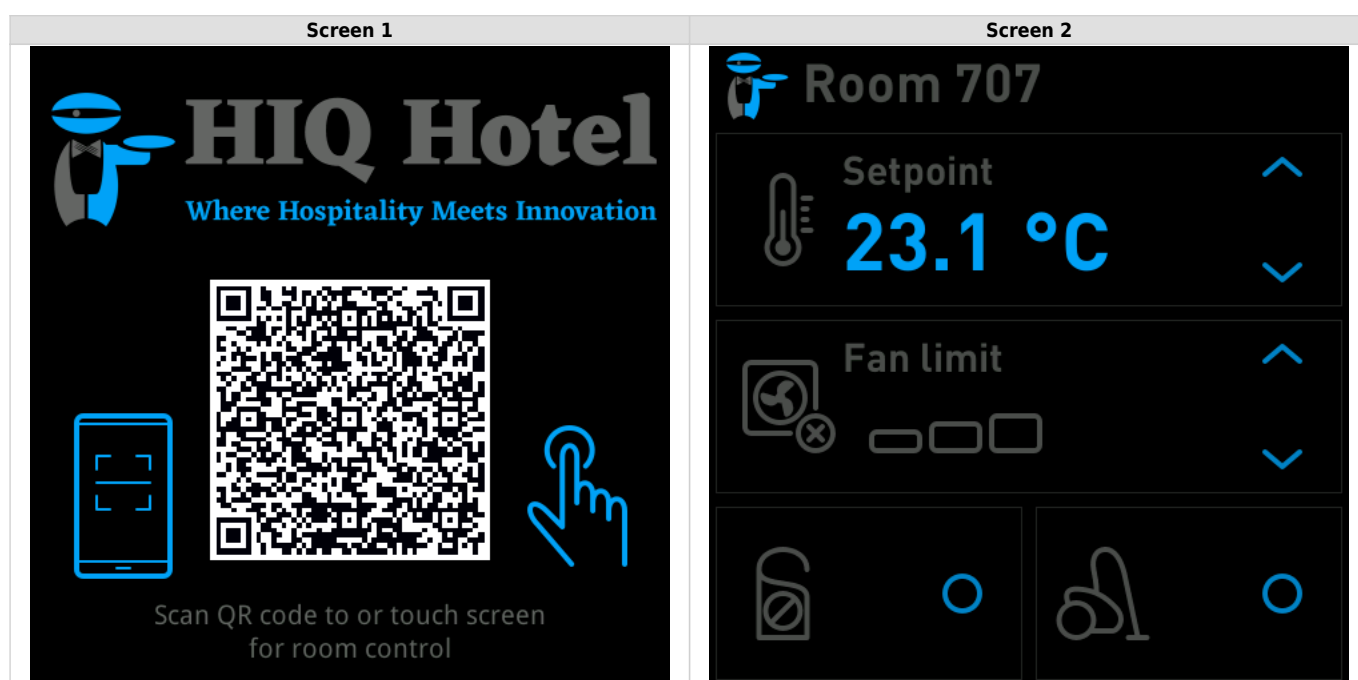
- graphic panel 4"
- capacitive touch
- internal beeper
- dimmable background
- RS485 interface
- fully configurable

## 1.4. Technical specification

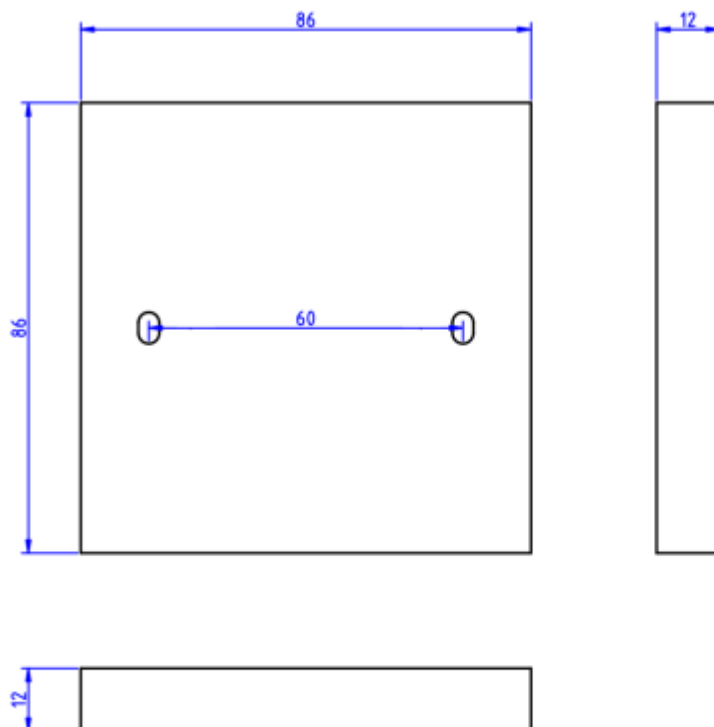
|                         |                                   |
|-------------------------|-----------------------------------|
| Power supply:           | 5-36V DC / 260 mA                 |
| Display:                | TFT 4.0 inch                      |
| Resolution:             | 480 × 480                         |
| Brightness (cd/m²):     | 250                               |
| Contrast:               | 800:1                             |
| Colour:                 | 65K colour, 16-bit RGB            |
| Active Area L x W :     | 71.9mm x 70.2mm                   |
| Installation :          | support rotation 0°/90°/180°/270° |
| Touch type :            | capacitive                        |
| Communication :         | RS485 (to MC Controller or Cybro) |
| Operating temperature : | -20°C to 70°C                     |

## 1.5. Screen Overview

### Indoor Screen



## 1.6. Terminals and Dimensions



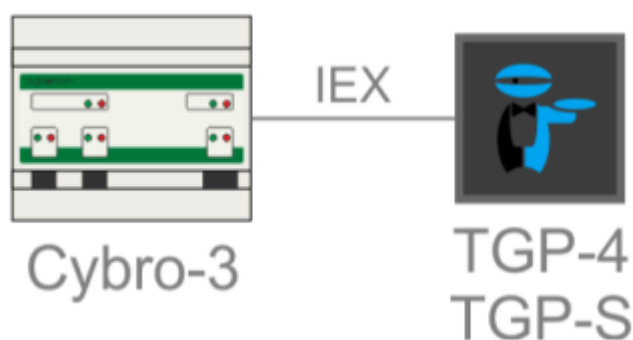
### 1.6.1. Back side of TGP-4D-01-IQ display:

- GND
- A (RS485)
- B (RS485)
- VCC (power input)

#### Connection via TGP-S adapter:

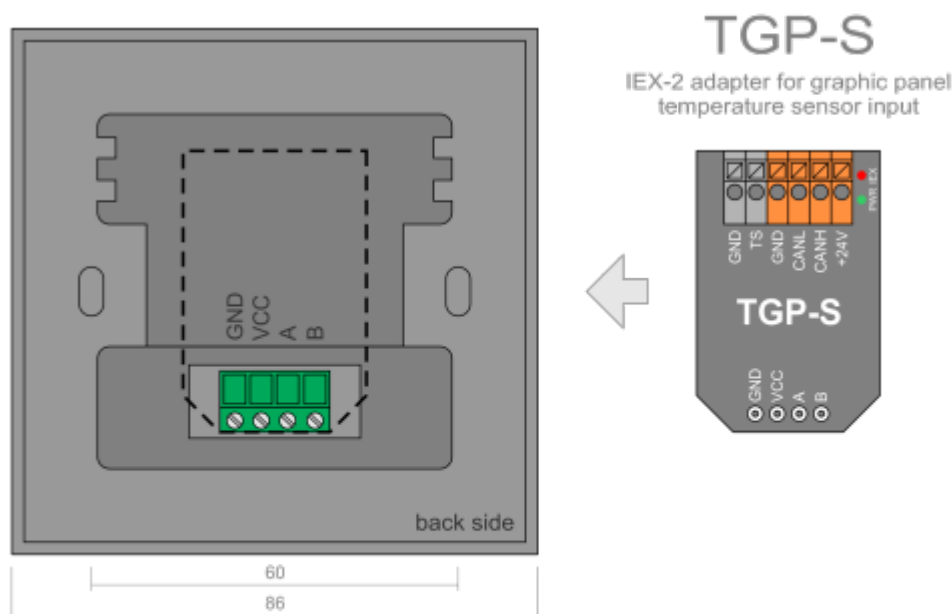
Adapter provides IEX bus (CANL/CANH), power distribution, and TS input for external temperature sensor (orange terminals)

## 1.7. Connection methods



## 1.8. Mounting

Exclusively flush-mounted (recessed) installation in  $\varnothing 60$  mm round flush junction box (fi 60 / circular in-wall box). Secured with two 3.5 mm screws. For basic RS485 communication and IEX-2 bus connection, the TGP-S adapter is not required – the device can connect directly to the controller. The TGP-S adapter is required only if an external temperature sensor is used (connected to the TS input on the adapter). The sensor is optional.



The display is a 4-inch TFT with an integrated touch panel. The back side has four removable terminals for power and RS485 communication. A TGP-S adapter provides connection to the IEX bus.