

## Technical Sheet For KNX Glass Sensor GS3 Pro

CHTBD-06/5.2.10  
CHTBD-06/5.2.11  
CHTBD-06/5.2.13  
CHTBD-06/5.2.14



The worldwide STANDARD for home and building control

### CHARACTERISTICS

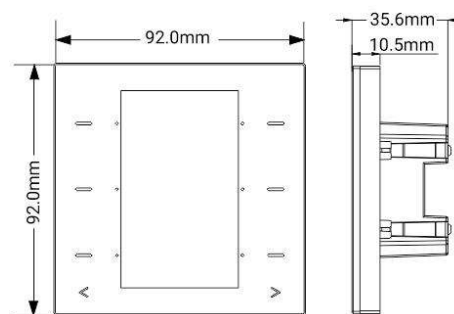
- Max. 5 function pages: select individual or rocker button, support disable function and flashing function
- Support global languages display
- Individual button support Switch, Dimming, RGB, RGBW, Colour temperature control, Value sender, Scene, Blind, Shift register, Multiple operation, Delay mode, Status display
- Rocker button only support Switch, Dimming, Scene, Blind, Setpoint adjustment
- Support slap operation of Switch and Scene; Enter cleaning mode via combine operation
- Display the function and status of buttons, optional with icon, text, status value etc.
- Status LED indication for button function
- Brightness adjustment for page switchover and screen backlight: Auto/Manual
- Panel lock, Screen saver, Alarm function, Colorful strip function, Touch tone setting
- Three sensitivity level of proximity setting, Built-in temperature / humidity sensor
- Room temperature controller, support heating, cooling control modes, and HVAC modes, with 2-pipes or 4pipes system, Temperature logic algorithm supports 2-point and PI control, and Fan auto control
- Support 2 external input interfaces, used as dry contact detection or NTC temperature detection
- Support 8 Scene Group functions, and 8 outputs for per Scene Group
- Support 8 Logic functions, with AND, OR, XOR, Gate forwarding, Threshold comparator, Format convert, Gate function, Delay function and Staircase lighting
- Support the KNX Data Secure

### PARAMETERS

|                              |                                                                                                                  |                                                     |
|------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| <b>Power Supply</b>          | Bus voltage                                                                                                      | 21-30V DC, via the KNX bus                          |
|                              | Bus current                                                                                                      | <26.5mA/24V; <20.5mA/30V                            |
|                              | Bus consumption                                                                                                  | <0.64W                                              |
| <b>Input</b>                 | 2 external inputs, as dry contact input or 10K NTC input                                                         |                                                     |
| <b>Connection</b>            | KNX                                                                                                              | Bus connection terminal                             |
|                              | Input                                                                                                            | A three-wires connection terminal, cable length <5m |
| <b>Operation and display</b> | Programming button                                                                                               | For assigning the physical address and red LED      |
| <b>Proximity sensor</b>      | Normal: 10-30cm; Enhanced: 40-60cm; High: 70-100cm                                                               |                                                     |
|                              | Note: the data is referred from internal laboratory, there may be differences in results depending on the person |                                                     |

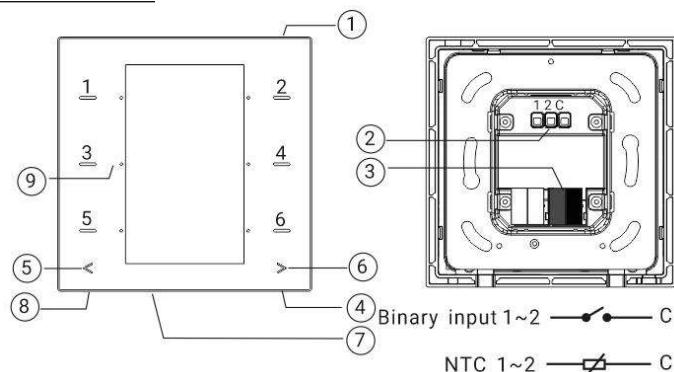
|                    |                                                               |                     |
|--------------------|---------------------------------------------------------------|---------------------|
| <b>Temperature</b> | Operation                                                     | - 5 °C ... + 45 °C  |
|                    | Storage                                                       | - 25 °C ... + 55 °C |
|                    | Transport                                                     | - 25 °C ... + 70 °C |
| <b>Environment</b> | Humidity                                                      | <93%, except dewing |
| <b>Mounting</b>    | European 80 type wall-mounted box or 86 type wall-mounted box |                     |

### DIMENSIONS



| Model                                                                    | Dimension         | Weight |
|--------------------------------------------------------------------------|-------------------|--------|
| CHTBD-06/5.2.10<br>CHTBD-06/5.2.11<br>CHTBD-06/5.2.13<br>CHTBD-06/5.2.14 | 92 x 92 x 35.6 mm | 0.21kg |

### DESCRIPTIONS



- ①Internal brightness sensor    ②Input terminals    ③KNX bus connection terminal  
④Programming button    ⑤Previous page switchover LED  
⑥Next page switchover LED / Programming LED  
⑦Colorful strip    ⑧Internal temperature / humidity sensor    ⑨Proximity sensor

**Reset the device to the factory configuration: press the programming button and hold for 4 seconds then release, repeat the operation for 4 times, and the interval between each operation is less than 3 seconds**

### INSTALLATION FIGURE

KNX Glass Sensor GS3 Pro can be installed in an European 80 type wall-mounted box or 86 type wall-mounted box. It requires only KNX bus powered. It is available to assign the physical address and set the parameters by Engineering design tools ETS with .knxprod (higher than edition ETS5). Must ensure that the device operation, testing, detecting, maintenance correctly.

KNX Glass Sensor GS3 Pro should be installed approximately 120~140cm above the floor and 15~20cm from the door frame.

Device should not be installed near a radiator or behind curtains

Device must not be exposed to direct contact with liquids.

Device regulation will also be affected by exposure to heat from electrical appliances and direct sunlight on the Thermostat.

### IMPOFORMATION

Installation and commissioning of the device may only be carried out by trained electricians. The relevant standards, directives, regulations and instructions must be observed when planning and implementing the electrical installation.

●Protect the device against moisture, dirt and damage during transport, storage and operation!

●Do not operate the device outside the specified technical data (e.g. temperature range)!

Should the device become soiled, it may be cleaned with a dry cloth. If this does not suffice, a cloth lightly moistened with soap solution may be used. On no account should caustic agents or solvents be used.

## 3 联 KNX 触摸屏键面板（高级版）技术规格书

适用型号：

- CHTBD-06/5.2.10
- CHTBD-06/5.2.11
- CHTBD-06/5.2.13
- CHTBD-06/5.2.14

国际标准的家庭和楼宇控制系统



### 产品功能

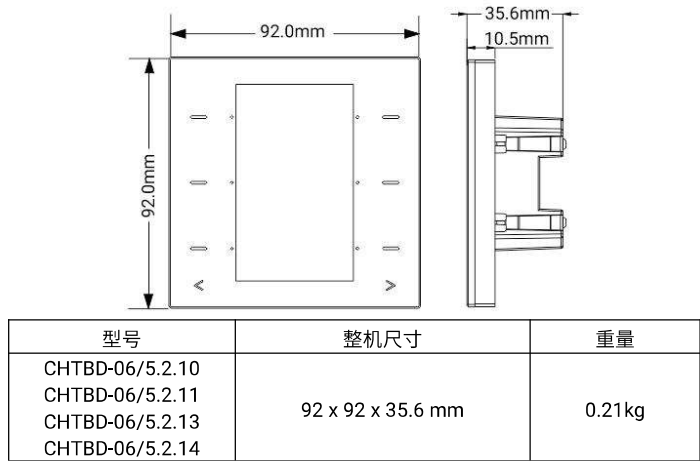
- 最多 5 个设备页面：可选择独立按键或者组合按键，支持按键锁定和闪烁功能
- 支持全球语言显示
- 独立按键支持开关、调光、RGB、RGBW、色温、值发送、场景、窗帘、移位寄存器、多重操作、延时模式、状态显示
- 组合按键只支持开关、调光、场景、窗帘、设定温度
- 支持识别拍打操作，用于场景、开关控制；可通过组合按键进入清洁模式
- 支持在屏上显示按键功能及其状态，有图标、文字、状态值等多种可选
- 支持设置按键功能对应的状态指示灯效果
- 支持翻页指示灯、屏幕背光的自动调节和手动调节
- 支持面板锁定、屏保功能、警报功能、氛围灯、触摸音设置
- 支持三挡靠近感应，内置温/湿度传感器
- 温控器，具有加热和制冷的控制模式，支持 HVAC 模式，温度逻辑算法采用 2 点式和 PI 控制，可配置 2 管制和 4 管制系统，支持自动风速控制
- 2 路外部输入接口，可作为干接点检测或 NTC 温度探测
- 支持 8 个场景组功能（每组带有 8 个可配置的输出）
- 支持 8 个逻辑功能，带与、或、异或，逻辑门转发，阈值比较器，不同数据类型转换，门功能，延时、楼梯灯功能
- 支持 KNX 安全

### 技术参数

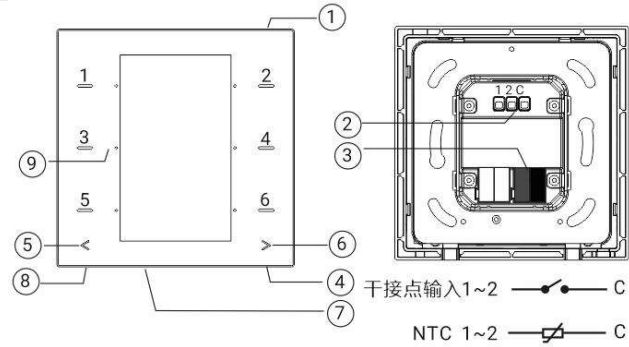
|                            |                              |                          |
|----------------------------|------------------------------|--------------------------|
| 电 源                        | 总线电压                         | 21-30V DC，由 KNX 总线提供     |
|                            | 总线电流                         | <26.5mA/24V；<20.5mA/30V  |
|                            | 总线功耗                         | <0.64W                   |
| 输 入                        | 2 路外部输入，可作为干接点输入或 10K NTC 输入 |                          |
| 连 接                        | KNX                          | 总线连接端子(红/黑)              |
|                            | 输入                           | 1 个 3 位针座接线端子<br>拉线长度<5m |
| 操作和指示                      | 编程按键和红色 LED                  | 分配物理地址                   |
| 靠近感应距离                     | 普通灵敏度 10-30cm，增强灵敏度 40-60cm， |                          |
|                            | 高灵敏度 70-100cm                |                          |
| 注意：参考内部实验室测试的数据，实际的数据会因人而异 |                              |                          |

|      |                |                     |
|------|----------------|---------------------|
| 温度范围 | 运行             | - 5 °C ... + 45 °C  |
|      | 存储             | -25 °C ... + 55 °C  |
|      | 运输             | - 25 °C ... + 70 °C |
| 环 境  | 湿度             | <93%，结露除外           |
| 安 装  | 80 欧标或 86 国标底盒 |                     |

### 尺寸规格



### 接线图



- ①内置光感传感器 ②输入连接端子 ③KNX 总线连接端子
- ④编程按键 ⑤切换上一页指示灯 ⑥切换下一页指示灯/编程指示灯
- ⑦氛围灯 ⑧内置温/湿度传感器 ⑨靠近传感器

**重置设备到出厂配置：长按编程按钮约 4 秒，长按 4 次，且每次松开间隔小于 3 秒**

### 安装说明

3 联 KNX 触摸屏键面板（高级版）安装在 80 欧标或 86 国标底盒中，仅通过 KNX 总线供电，不需要提供额外辅助电源供电。物理地址的分配及参数的设定都可以使用带有.knxprod 文件的工程设计工具软件 ETS（版本 ETS5 以上）。安装时必须确保总线连接正常、设备工作正常。

建议 3 联 KNX 触摸屏键面板（高级版）安装距地面大约 120~140cm 高度的位置 and 距门框水平距离 15~20cm 的位置。

面板不应安装靠近散热器或窗帘后面。

面板不允许安装在与液体直接接触的地方。

面板安装在发热器旁或直接暴露在阳光下会影响温度调节。

### 重要提示

安装和调试设备只能由合格的熟练电工来操作。在计划与实施电气安装的过程中相关的标准、指令、规则和指示都要严格执行。

- 需要避免器件在运输、储存、使用的过程中受潮、脏污以及受损。
- 不要使器件运行在指定的技术指标之外（例如温度范围）。

当设备脏污时，只可以使用干燥的布来清洁。如果这样不足以清洁干净,可以使用湿布蘸少许肥皂溶液轻轻擦拭。绝不能使用碱剂或者腐蚀性溶剂。