

Technical Sheet For

S series KNX Push Button Sensor with Display, 1-gang

S series KNX Push Button Sensor with Display, 2-gang

S series KNX Push Button Sensor with Display, 3-gang

CHPBD-02/12.x.1y

CHPBD-04/24.x.1y

CHPBD-06/36.x.1y

(x=1: Normal glass; x=2: Mirror glass)

(y=0: White; y=1: Black; y=3: Gray; y=4: Golden)



The worldwide **STANDARD** for home and building control

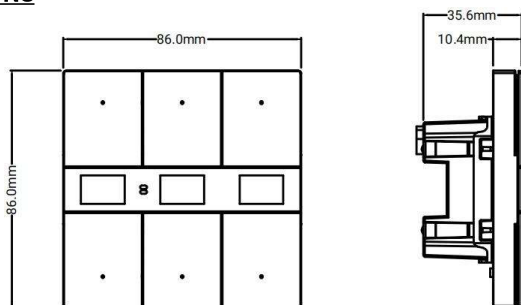
CHARACTERISTICS

- 1/2-gang: 0.96 inch colour LCD, display area resolution 160x80
- 3-gang: 0.85 inch colour LCD, display area resolution 128x80
- Support vertical or horizontal display via ETS
- Switch and Dimming
- Blind control
- Value sender
- Scene control
- Shift register
- RGB, RGBW and colour temperature control
- Multiple operation
- Delay mode
- Built-in temperature sensor
- Logic output, Scene group output
- RGB LED indication function
- Support the KNX Data Secure

PARAMETERS

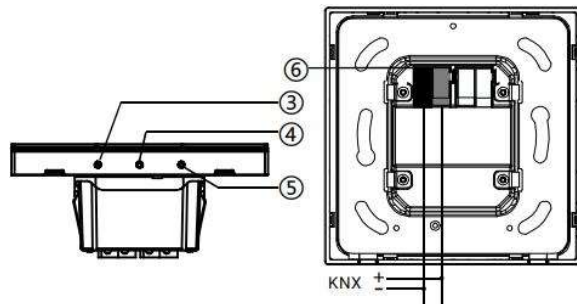
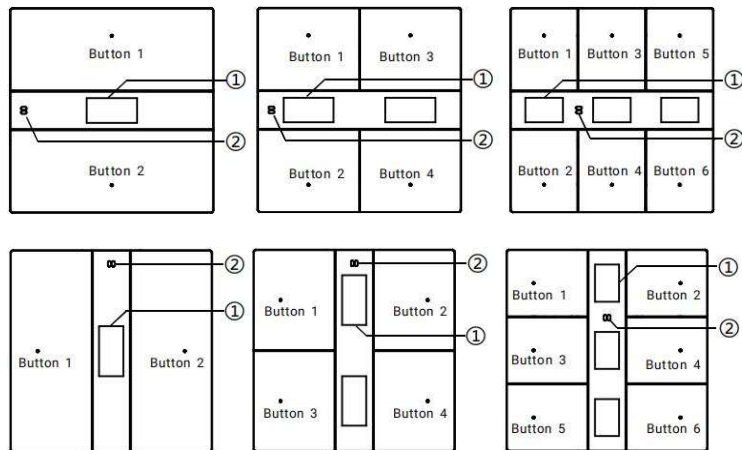
Power Supply	Bus voltage	21-30V DC, via the KNX bus
	Bus current	<15mA/24V; <13mA/30V (1-gang) <20mA/24V; <15mA/30V (2-gang) <26mA/24V; <20mA/30V (3-gang)
Bus consumption	Bus consumption	<0.4W (1-gang) <0.48W (2-gang) <0.63W (3-gang)
	Connection	KNX Bus connection terminal (Red/Black)
	Operation and display	Programming LED and button For assigning the physical address
Temperature	Operation	-5 °C ... + 45 °C
	Storage	-25 °C ... + 55 °C
	Transport	-25 °C ... + 70 °C
Environment	Humidity	<93%, except dewing
Mounting	European 80 type wall-mounted box or 86 type wall-mounted box	

DIMENSIONS



Model	Dimension	Weight
CHPBD-02/12.x.1y CHPBD-04/24.x.1y CHPBD-06/36.x.1y	86 × 86 × 35.6mm	0.17kg

DESCRIPTIONS



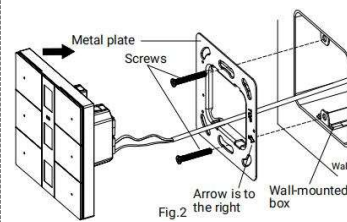
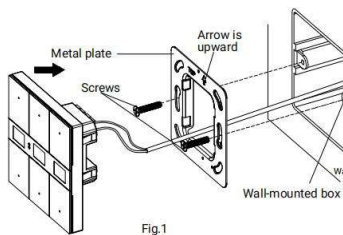
- ① Display area
- ② Proximity sensor
- ③ Programming LED
- ④ Programming button
- ⑤ Internal temperature sensor
- ⑥ KNX bus connection terminal

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

The device can be installed in an European 80 type wall-mounted box or 86 type wall-mounted box. It requires KNX bus powered. It is available to assign the physical address by engineering design tools ETS with .knxprod (higher than edition ETS 5.7). Must ensure that the device operation, testing, detecting, maintenance correctly.

Note: In horizontal display mode, the screw holes of the wall-mounted box are fixed in the left and right, as shown in Fig.1; while in vertical display mode, rotate the product clockwise by 90° during installation, and the screw holes of the wall-mounted box must be fixed in the up and bottom, as shown in Fig.2.



IMPORTANT INFORMATION

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.

S 系列 2/4/6 键 KNX 智能屏键面板技术规格书

适用型号：

CHPBD-02/12.x.1y

CHPBD-04/24.x.1y

CHPBD-06/36.x.1y

(x=1: 普通玻璃; x=2: 镜面玻璃)

(y=0: 皓月白; y=1: 曜夜黑; y=3: 静谧灰; y=4: 璀璨金)

国际标准的家庭和楼宇控制系统



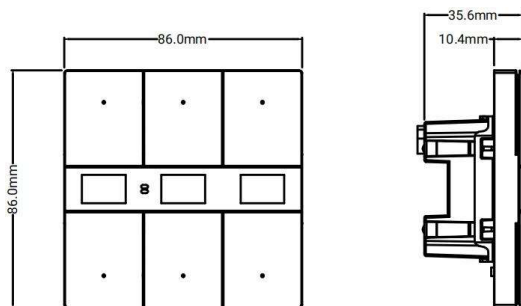
产品功能

- 2 键/4 键: 0.96 寸彩色液晶屏, 显示区域分辨率 160x80
- 6 键: 0.85 寸彩色液晶屏, 显示区域分辨率 128x80
- 支持 ETS 设置竖屏和横屏显示
- 开关和调光
- 窗帘控制
- 值发送
- 场景控制
- 移位寄存器
- RGB、RGBW 和色温控制
- 多重操作
- 延时发送值
- 内置温度传感器
- 逻辑输出, 场景组输出
- RGB LED 指示功能
- 支持 KNX 安全

技术参数

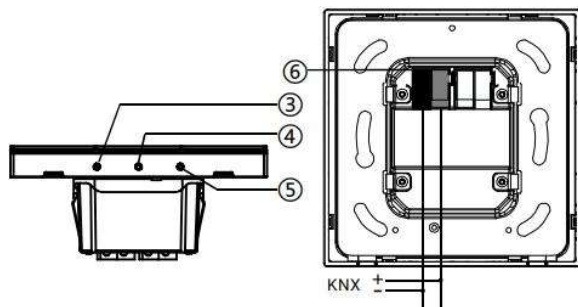
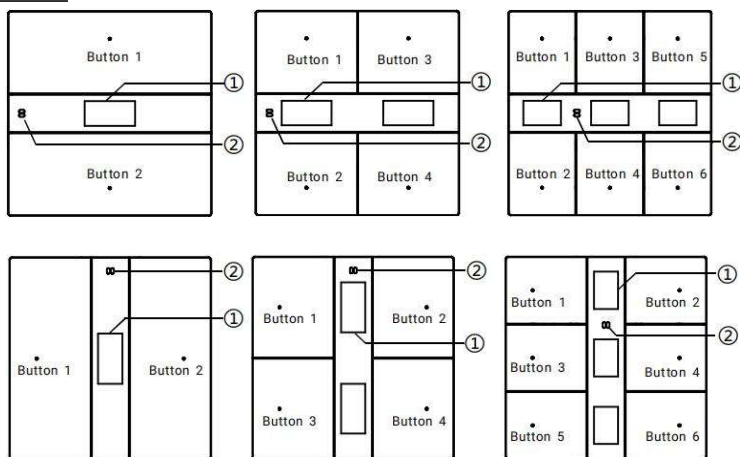
电 源	总线电压	21-30V DC, 由 KNX 总线提供
	总线电流	<15mA/24V; <13mA/30V (2 键) <20mA/24V; <15mA/30V (4 键) <26mA/24V; <20mA/30V (6 键)
总线功耗		<0.4W (2 键)
		<0.48W (4 键)
		<0.63W (6 键)
连 接	KNX	总线连接端子(红/黑)
操作和指示	编程按键和红色 LED	分配物理地址
温度范围	运行	-5 °C ... + 45 °C
	存储	-25 °C ... + 55 °C
	运输	-25 °C ... + 70 °C
环境条件	湿度	<93%, 结露除外
安装	欧标 80 嵌墙底盒或国标 86 嵌墙底盒	

尺寸规格



型号	尺寸	重量
CHPBD-02/12.x.1y CHPBD-04/24.x.1y CHPBD-06/36.x.1y	86 × 86 × 35.6mm	0.17kg

接线图



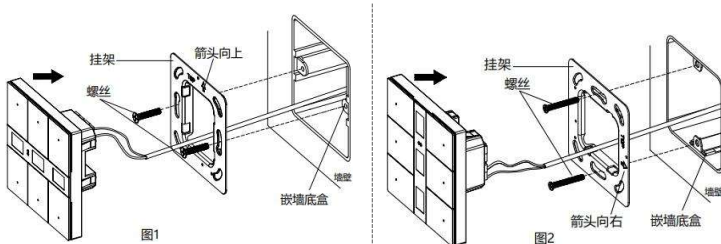
- ① 显示区域
- ② 靠近检测: 用于靠近感应
- ③ 编程 LED
- ④ 编程按键
- ⑤ 内置温度传感器
- ⑥ KNX 总线连接端子

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

安装说明

此设备可以采用欧标 80 嵌墙底盒或国标 86 嵌墙底盒, 仅需 KNX 总线供电。参数的设置和物理地址的分配可以使用带有 .knxprod 文件的工程设计工具软件 ETS (版本 ETS 5.7 或以上)。安装时必须确保总线连接正常、设备工作正常。

注意: 横屏模式时, 嵌墙底盒的螺丝孔固定在左右方向, 如图 1 所示; 而竖屏模式时, 安装时需要将产品顺时针旋转 90°, 并且嵌墙底盒的螺丝孔必须固定在上下方向, 如图 2 所示。



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。