

Technical Sheet For KNX Smart Touch with push button&Secure,3-gang

CHTFB-3.0/6.S.0x (Plastic)

CHTFB-3.0/6.S.2x (Metal)

(x=0: White; x=1: Black; x=2: Silver; x=3: Gray;

x=4: Golden)



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

CHARACTERISTICS

- 3.0 inch color IPS capacitive touch screen, resolution 854x480
- Home page function, support to display air quality information or scene function
- With basic control functions including switching, dimming, blinds, scenes,etc.
- And other control functions including colour and colour temperature control, audio control, HVAC control (Room temperature control, Air conditioner and Ventilation).
- Information and status indicator
- Scene Group functions, Logic functions
- Password access, Panel locking, and Screensaver
- Proximity sense, screen brightness setting
- Built-in temperature and humidity sensor
- Day/Night signal and summer time automatic adjustment
- Support customized image resource replacement
- Support 2 external input interfaces, used as dry contact detection or NTC temperature detection
- Push button as Customized linking to touch or Push button sensor, and with RGB indications
- Support the KNX Data Secure

PARAMETERS

Power Supply	Bus voltage	21-30V DC, via the KNX bus
	Bus current	<4mA/24V, <3.5mA/30V
	Bus	<105mW
Auxiliary Supply	Voltage	12-30V DC
	Current	<81.5mA/24V, <66mA/30V
	Consumption	<2W
Input	2 external inputs, as dry contact input or 10K NTC input	
Micro USB	Update UI firmware, or import background image or icon	
Proximity sensor	Approximately 30cm	
Connection	KNX	Bus connection terminal(Red/Black)
	Auxiliary Supply	Bus connection terminal(Yellow/White)

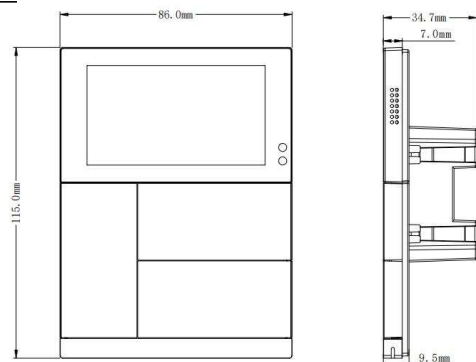
Micro USB socket

Input Screw terminals, Wire Range: 0.2-2.5mm², Torque 0.4N-m
Length <5m

Temperature	Operation	- 5 °C ... + 45 °C
	Storage	-25 °C ... + 55 °C
	Transport	- 25 °C ... + 70 °C

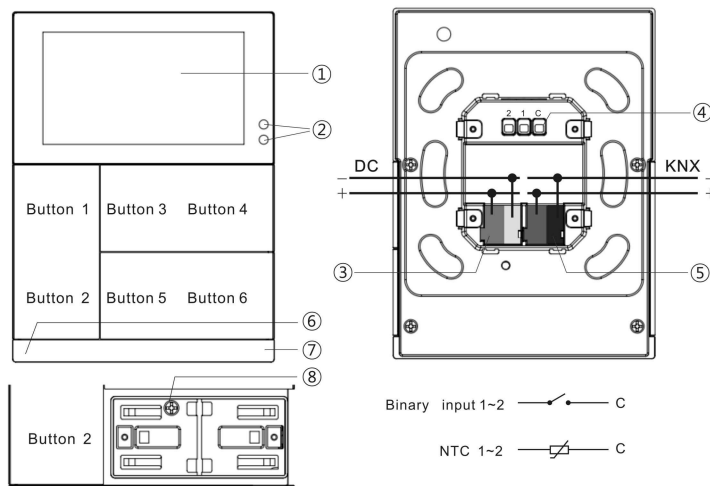
Environment Humidity <93%, except dewing

DIMENSIONS



Model	Dimension	Weight
CHTFB-3.0/6.S.0x CHTFB-3.0/6.S.2x	86 × 115 × 34.7mm	0.15kg

DESCRIPTIONS



- ① Touch and display area
- ② Proximity sensor
- ③ Auxiliary supply connection terminal
- ④ Input terminals
- ⑤ KNX bus connection terminal
- ⑥ Micro USB socket
- ⑦ Internal temperature and humidity sensor
- ⑧ Fit bolt for anti-theft protection (included with the rocker cover)

Note: The programming of the physical address needs to be entered into the setting interface of the screen, then click the icon to turn on or off the programming mode.

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.

(Note:First remove the four screws at the bottom of the panel, open the back cover, and then the programming button will be visible.)

INSTALLATION FIGURE

The device can be installed in a conventional 80mm or 86 mm wiring box. It requires not only KNX bus powered, but also requires a 12- 30V DC auxiliary power supply. Must ensure that the device operation, testing, detecting, maintenance correctly.

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.

KNX 安全 3 联 6 键智能触摸面板技术规格书

适用型号：
CHTFB-3.0/6.S.0x （塑料款）
CHTFB-3.0/6.S.2x （金属款）
(x=0：皓月白；x=1：曜夜黑；x=2：流光银；x=3：静谧灰；
x=4：璀璨金)

国际标准的家庭和楼宇控制系统



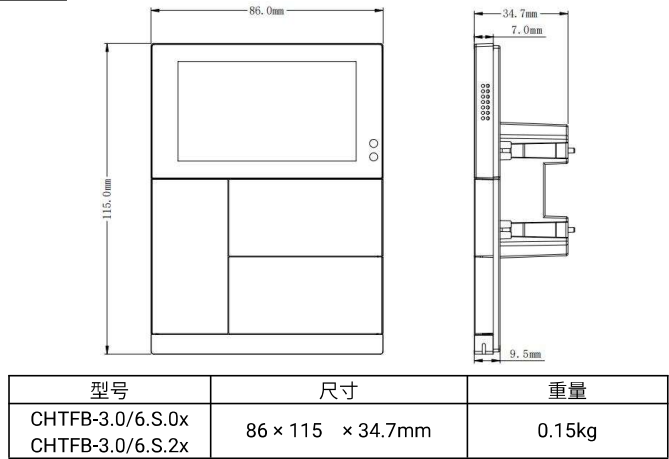
产品功能

- 3.0 寸彩色 IPS 电容式触摸屏，视网膜屏幕，分辨率 854x480
- 主页功能，支持显示空气质量信息或场景功能
- 具有基本控制功能，包含开关、调光、窗帘、场景等；及其他控制功能，包括颜色和色温控制(RGB、RGBW 和色温)、背景音乐控制、HVAC 控制（温控、空调、新风)
- 信息及状态指示器
- 场景组功能、逻辑功能
- 具有密保、屏保和锁屏功能
- 靠近感应功能，可手动调整屏亮度功能
- 内置温湿度传感器
- 白天/夜晚信号，以及夏令时自动调整
- 电子相册和图标可自定义替换
- 2 路外部输入接口，可作为干接点检测或 NTC 温度探测
- 按键可作为触摸屏的快捷键或普通按键面板使用，带 RGB 指示灯
- 支持 KNX 安全

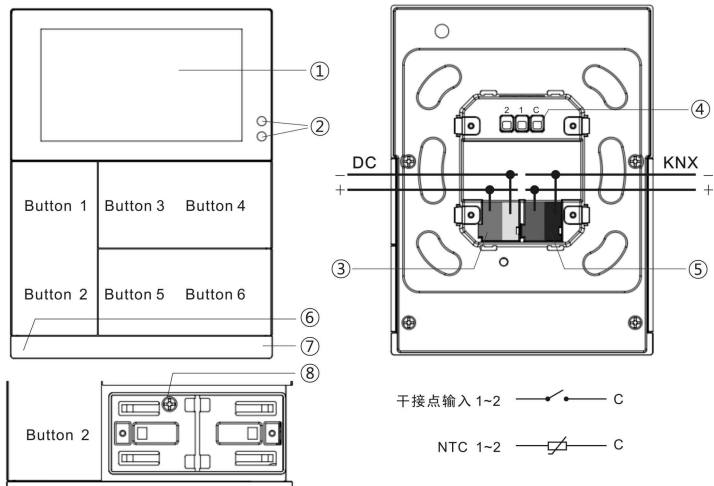
技术参数

电 源	总线电压	21-30V DC，由 KNX 总线提供
	总线电流	<4mA/24V，<3.5mA/30V
	总线功耗	<105mW
辅助电源	电压	12-30V DC
	电流	<81.5mA/24V，<66mA/30V
	功耗	<2W
输 入	2 路外部输入，可作为干接点输入或 10K NTC 输入	
Micro USB	升级 UI 固件，或者导入背景图片或图标	
靠近感应距离	约 30cm	
连 接	KNX	总线连接端子(红/黑)
	辅助供电	总线连接端子(黄/白)
	Micro USB 插座	
	输入	螺丝接线柱连接，0.2-2.5mm ² ， 扭力矩 0.4N·m，线长<5m
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

尺寸规格



接线图



- ①触摸与显示区域
- ②靠近检测：用于靠近感应
- ③辅助供电连接端子
- ④输入连接端子
- ⑤KNX 总线连接端子
- ⑥Micro USB 插座
- ⑦内置温湿度传感器
- ⑧防盗螺丝锁孔（可暗藏于翘板下面）

注：物理地址的编程模式需要进入触摸屏的设置界面开启。通过按钮  开关编程模式。

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（注：需先将面板底部的 4 颗螺丝取下，打开后盖，编程按键才可见。）

安装说明

此设备采用标准的 80 盒或 86 盒墙装方式。它不仅需要 KNX 总线供电，而且还需要一个 12-30V DC 的辅助电源供电。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）。安装时必须确保辅助供电和总线连接正常、设备工作正常。

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。绝不能使用碱性或者腐蚀性溶剂。