K-BUS®

3.5 寸智能触摸面板(厚款)技术规格书

适用型号：
CHTF-3.5/20.2.21
CHTF-3.5/20.2.22
CHTF-3.5/20.2.24

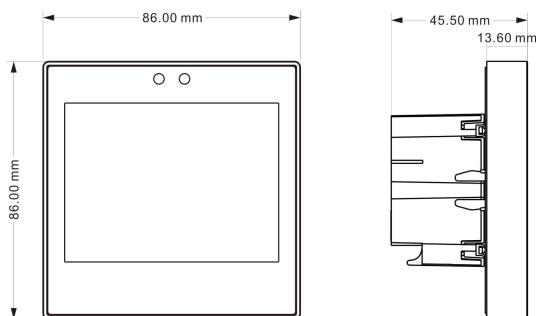**国际标准的家庭和楼宇控制系统**

产品功能

● 3.5 寸彩色 TFT，分辨率 320x240，电容触摸屏

● 具有开关、调光、窗帘、自定义值发送功能

● 显示空气质量传感器检测值

● HVAC 温控功能

● 空调控制，支持分体式红外（IR Split Unit）和空调网关（Gateway Integrate）类型

● 背景音乐模块控制、RGB 控制、新风系统控制、地暖控制

● 8 个定时功能、4 个事件组功能

● 8 个逻辑功能，支持与、或、异或，逻辑门转发，阈值比较器，不同数据类型的转换

● 靠近感应功能（约 10cm）

● 时间、日期显示

● 具有密保和屏保，屏保可选时钟、电子相册或不使用

● 主页导航功能
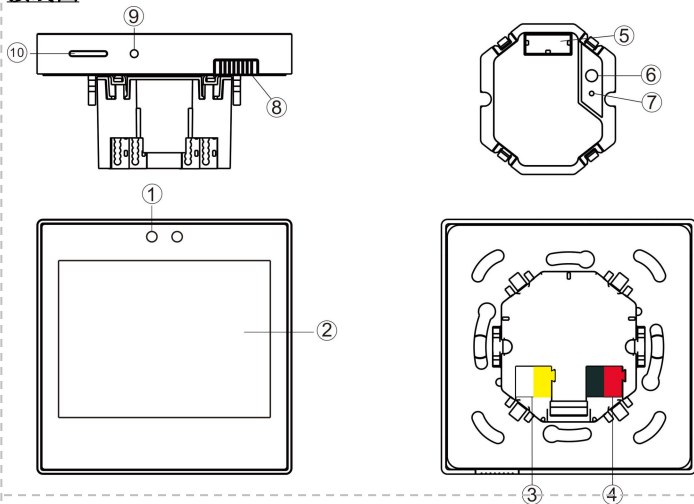
① 靠近检测传感器

② 触摸与显示区域

③ 辅助供电连接端子

④ KNX / EIB 总线连接端子

⑤ 应用模块跟耦合器之间的连接座

⑥ 编程按键

⑦ 红色 LED 指示进入物理地址编程状态，绿色 LED 闪烁指示设备应用层工作正常

⑧ 内置温度传感器

⑨ 重启设备

⑩ TF 卡槽

技术参数

总线电源	总线电压	21-30 DC 通过 EIB 总线获得
	总线电流	<12mA
	总线功耗	<360mW
辅助电源	电压	12-30V DC
	功耗	<2W
连接	EIB/KNX	总线连接端子（直径 0.8 mm^2）
安装	安装方式	标准 86 盒或 60 盒墙装方式
操作和指示	红色灯和按键	分配物理地址
	绿色灯闪烁	指示设备正常工作
温度范围	运行	− 5 °C ... + 45 °C
	存储	−25 °C ... + 55 °C
	运输	− 25 °C ... + 70 °C

安装说明

3.5 寸智能触摸面板安装在标准的墙式 86 盒中，它不仅需要 EIB/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 ETS4 或以上）。安装时必须要确保辅助供电和总线连接正常、设备工作正常。

建议触摸面板安装距地面大约 120~140cm 高度的位置和距门框水平距离 15~20cm 的位置。

触摸面板不允许安装在与液体直接接触的地方。

尺寸规格

型号	尺寸	重量
CHTF-3.5/20.2.2x	面板：86 x 86 x 13.6 mm（45.5mm）	0.25kg

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。

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Technical Sheet
For 3.5 inch Touch Panel Plus

CHTF-3.5/20.2.21
CHTF-3.5/20.2.22
CHTF-3.5/20.2.24

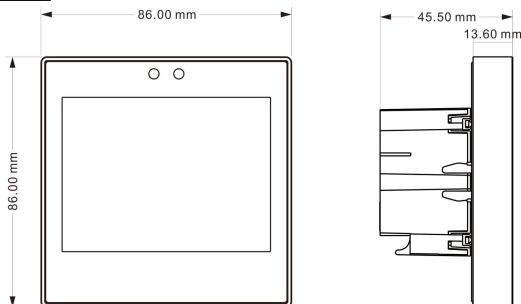### The worldwide STANDARD for home and building control

DESCRIPTIONS

CHARACTERISTICS

●3.5 inch color TFT, 320x240 resolution, capacitive touch screen
●With switching, dimming, curtains control and value send functions
●Air quality display, with PM2.5, AQI, CO_2, VOC etc.
●HVAC thermostat function
●Air conditioner, for IR Split Unit and Gateway Integrate control type
●Background Music control
●RGB dimming, Floor heating and Ventilation System control
●8 Time functions, 4 Event Group functions
●8 Logic functions, with AND, OR, XOR, Gate forwarding, Threshold comparator, and Format convert
●Proximity sensor
●Time and date display
●Password protection, and Screensaver with clock, album, or none
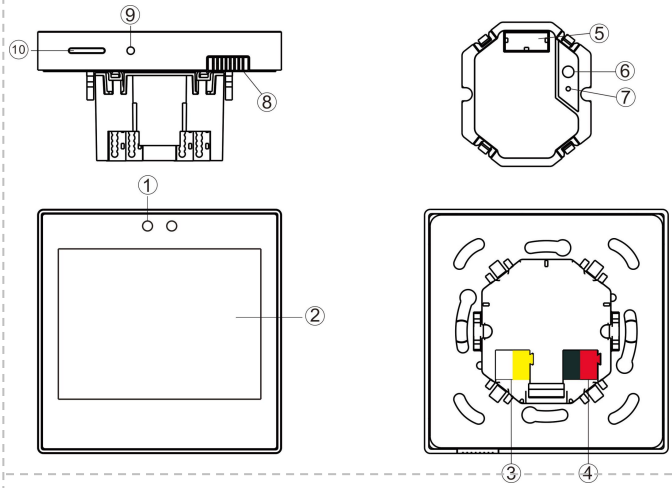●Main page navigation function

① Proximity sensor

② Touch and display area

③ Auxiliary supply connection terminal

④ EIB/KNX bus connection terminal

⑤ 10-pin connector, to connect application module and the coupler

⑥ Programming button

⑦ Red LED for entering the physical address, green LED for application process normally running

⑧ Internal temperature sensor

⑨ Reset

⑩ TF card slot

PARAMETERS

Bus supply	Bus voltage	21-30DC， Via KNX/EIB
	Bus current	<12mA
	Bus consumption	<360mW
Auxiliary supply	voltage	12-30V DC
	consumption	<2W
Connections	EIB/KNX	Bus connection terminal
	Auxiliary supply	screw terminal
Mounting	In a conventional 86 mm or 60mm wiring box	
Operation and display	Red LED&push button	For assigning the physical address
	Green LED flashing	For displaying the application layer running normally
Temperature	Operation	–5℃~45℃
	Storage	-25℃~55℃
	Transport	-25℃~70℃

INSTALLATION FIGURE

   3.5 inch Touch Panel Plus can be installed in a conventional 86 mm wiring box. It requires not only EIB / KNX bus powered, but also requires a 12- 30V DC auxiliary power supply. It is available to assign the physical address by engineering design tools ETS with .knxprod (higher than edition ETS4). Must ensure that the device operation, testing, detecting, maintenance correctly.
   Touch panel should be installed approximately 120~140cm above the floor and 15~20cm from the door frame.
   Touch panel must not be exposed to direct contact with liquids.

DIMENSIONS

Model	Dimension	Weight
CHTF-3.5/20.2.2x	Panel:86 x 86 x 13.6mm（45.5mm）	0.25kg

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.