

Technical Sheet For  
KNX Smart Touch V40

CHTF-4.0/15.3.2x



The worldwide STANDARD for home and building control

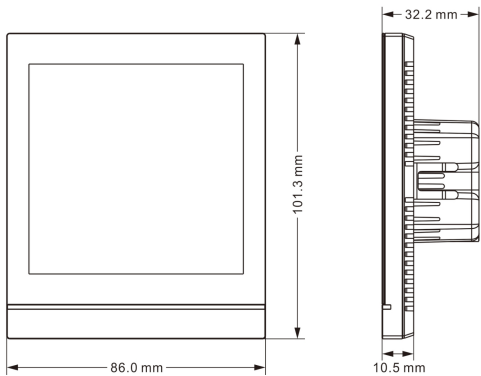
CHARACTERISTICS

- 4 inch color IPS, 480x480 resolution, capacitive touch screen
- With switching, dimming, curtains control, scene and value send functions
- HVAC thermostat function, Floor heating and Ventilation System control
- Air conditioner, for IR Split Unit and Gateway Integrate control type
- Background Music control
- RGB and RGBW dimming, RGBW with color temperature setting
- Air quality display, with PM2.5, AQI, CO2, VOC etc.
- Energy Metering display, with current, voltage, power, energy.
- 16 Time functions, 8 Event Group functions
- 8 Logic functions, with AND, OR, XOR, Gate forwarding, Threshold comparator, and Format convert
- Proximity sensor, Screen brightness setting, Touch vibration feedback
- Colorful strip indication
- Time and Date display, Temperature and Humidity display, Day/Night status send
- Password protection,Panel block, and Screen saver with clock, album, or none
- Main page navigation function

PARAMETERS

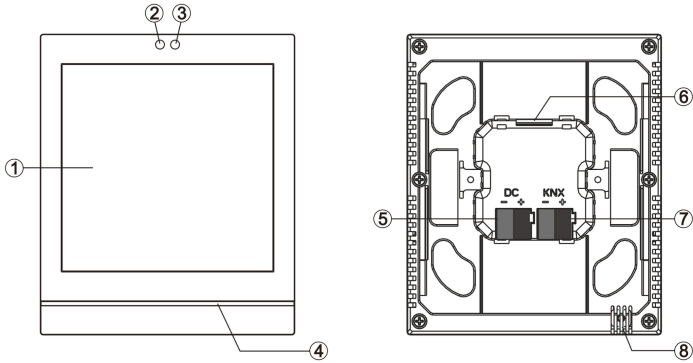
|                  |  |                                   |
|------------------|--|-----------------------------------|
| Bus supply       | Bus voltage                                | 21-30V DC, via KNX bus            |
|                  | Bus current                                | 3.5mA/24V DC, 3.0mA/30V DC        |
|                  | Bus consumption                            | <90mW                             |
| Auxiliary supply | Voltage                                    | 24-30V DC                         |
|                  | Current                                    | <105mA/30V DC, <130mA/24V DC      |
|                  | Consumption                                | <3.2W                             |
| Connections      | KNX  | Bus connection terminal           |
|                  | Auxiliary supply                           | KNX auxiliary connection terminal |
| Installation     | In a conventional 80mm or 86 mm wiring box |                                   |
| Temperature      | Operation                                  | – 5 °C ... + 45 °C                |
|                  | Storage                                    | –25 °C ... + 55 °C                |
|                  | Transport                                  | – 25 °C ... + 70 °C               |
| Proximity sensor | Approximately 30cm                         |                                   |

DIMENSIONS




| Model            | Dimension                          | Weight |
|------------------|------------------------------------|--------|
| CHTF-4.0/15.3.2x | Panel:86 x 101.3 x 10.5mm (32.2mm) | 0.2kg  |

DESCRIPTIONS



- ① Touch and display area
- ②③ Proximity sensor
- ④ Colorful strip
- ⑤ Auxiliary supply connection terminal
- ⑥ SD card slot
- ⑦ KNX bus connection terminal
- ⑧ Internal temperature sensor

Note: The programming of the physical address needs to be entered into the setting interface of the screen. Click the icon  on the screen to enter the setting interface, then click “General para.” to enter the general parameter setting interface. Here you can set “KNX programming” item, and turn the programming mode on or off via the switch button on the right. When the programming mode is turned on, the Colorful strip lights red. After exiting the programming mode, the Colorful strip returns to the indication that is configured via parameters.

INSTALLATION FIGURE

KNX Smart Touch V40 can be installed in a conventional 80mm or 86 mm wiring box. It requires not only KNX bus powered, but also requires a 24- 30V DC auxiliary power supply. 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.

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.

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 智能触摸面板 V40 技术规格书

适用型号：  
CHTF-4.0/15.3.2x

国际标准的家庭和楼宇控制系统



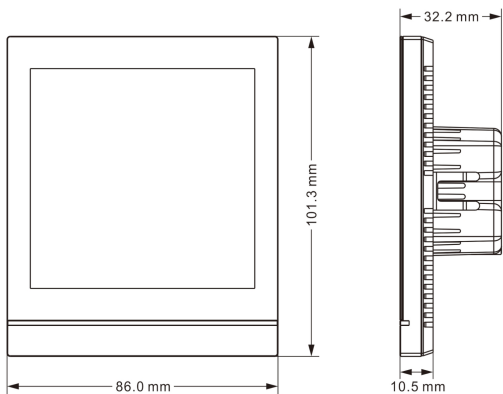
产品功能

- 4 寸彩色 IPS，分辨率 480x480，电容触摸屏
- 具有开关、调光、窗帘、场景、自定义值发送功能
- HVAC 温控功能、新风系统控制、地暖控制
- 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、RGBW 控制和色温调节
- 空气质量传感器检测值显示、能源监测值显示
- 16 个定时功能、8 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、屏亮度调整、彩色灯条指示、触摸震动反馈
- 时间和日期显示，及温湿度显示，白天/夜晚信号输出
- 具有密保、屏保和锁屏功能
- 主引导航功能

技术参数

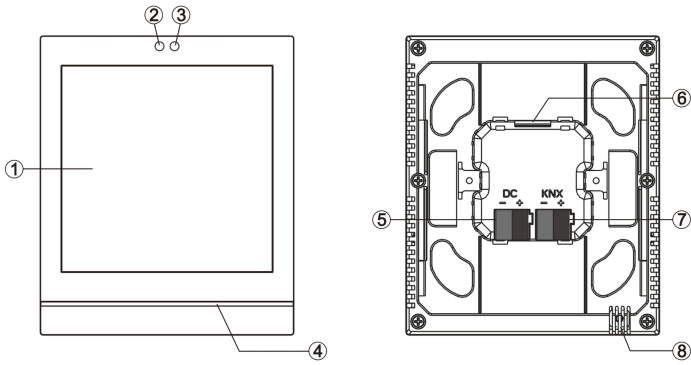
|        |        |                                 |
|--------|--------|---------------------------------|
| 总线电源   | 总线电压   | 21-30V DC 通过 KNX 总线获得           |
|        | 总线电流   | 3.5mA/24V DC, 3.0mA/30V DC      |
|        | 总线功耗   | <90mW                           |
| 辅助电源   | 电压     | 24-30V DC                       |
|        | 电流     | <105mA/30V DC, <130mA/24V DC    |
|        | 功耗     | <3.2W                           |
| 连接     | KNX    | 总线连接端子（直径 0.8 mm <sup>2</sup> ） |
|        | 辅助供电   | KNX 辅助供电端子（黄/白）                 |
| 安装     | 安装方式   | 标准 80 盒或 86 盒墙装方式               |
| 温度范围   | 运行     | - 5 °C ... + 45 °C              |
|        | 存储     | -25 °C ... + 55 °C              |
|        | 运输     | - 25 °C ... + 70 °C             |
| 靠近感应距离 | 约 30cm |                                 |

尺寸规格




| 型号               | 尺寸                               | 重量    |
|------------------|----------------------------------|-------|
| CHTF-4.0/15.3.2x | 面板: 86 x 101.3 x 10.5mm (32.2mm) | 0.2kg |

接线图



- ① 触摸与显示区域
- ②③ 靠近检测：用于靠近感应
- ④ 彩色灯条
- ⑤ 辅助供电连接端子
- ⑥ SD 卡槽
- ⑦ KNX 总线连接端子
- ⑧ 内置温度传感器

注：物理地址的编程模式需要进入触摸屏的设置界面开启。点击屏上图标进入设置界面，然后点击“通用参数”，进入通用参数设置界面，此界面可以看到“KNX 编程”项，通过右边的开关按钮开启或关闭编程模式，开启编程模式后，彩色灯条亮红色。退出编程模式后，彩色灯条回到正常的指示，彩色灯条正常模式下的指示由参数配置。

安装说明

KNX 智能触摸面板 V40 安装在标准的墙式 80 盒或 86 盒中，它不仅需要 KNX 总线供电，而且还需要一个 24-30V 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。

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。

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。