

Technical Sheet
For EIB/KNX Binary inputs, 4fold

CTBI-04/00.1



The worldwide STANDARD for home and building control

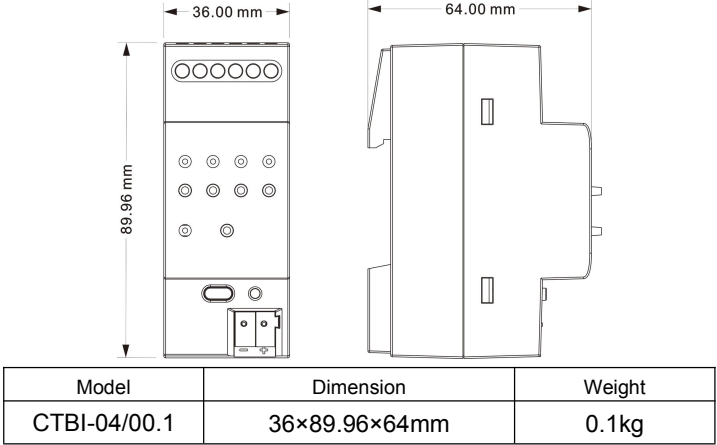
CHARACTERISTICS

- The switch and the dimming functions
- Operation blind and shutter functions
- Sending value/forced output function
- Scene control function
- Multiple operation function
- Switching sequence function
- Standard counting and differential counting function
- Channel disable/enable function

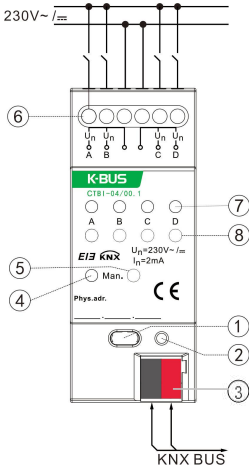
PARAMETERS

| | | |
|-----------------------|--|---|
| Power Supply | Operation voltage | 21~30V DC, via the EIB bus |
| | Current consumption | <12mA |
| Inputs | Power consumption | Max.360mW |
| | Number of channel | 4 |
| | Allow voltage range | 0~265V AC/DC |
| | Input current | Max.2mA |
| | The signal level 0 | 0~3V AC/DC |
| | The signal level 1 | 9~265V AC/DC |
| Operation and display | Allow cable length | ≤100M (Cross section for1.5 mm²) |
| | Red LED and button | For assigning the physical address |
| | Green LED flashing | For display the application layer running normally |
| | Channel LED | Corresponding to the input channel instructions situation |
| | Manual button | Change the channel button corresponding input |
| Connections | Manual / automatic LED | Used to indicate the manual/automatic mode state |
| | Manual / automatic button | Used to switch manual and automatic mode |
| | EIB/KNX | Bus connection terminal (black/red) |
| | Input | Screw terminals |
| Temperature | Operation | -5℃~45℃ |
| | Storage | -25℃~55℃ |
| Mounting | Transport | -25℃~70℃ |
| | On 35mm mounting rail | |
| CE norm | According to the EMC and low voltage guideline, EN 50090-2-2 | |
| Certification | EIB/KNX certified | |

DIMENSIONS



DESCRIPTIONS



- ① Programming button
- ② Programming LED
- ③ EIB/KNX bus connection terminal
- ④ Manual / automatic LED
- ⑤ Manual / automatic button
- ⑥ Input terminals
- ⑦ Channel LED
- ⑧ Manual button

INSTALLATION FIGURE

The devices are suitable for installation on the distribution boards with 35mm mounting rail which complies with DIN EN 60715 or a small box in order to facilitate quick installation of the device. 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)!
- The device may only be operated in closed enclosures (e.g. distribution boards).

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.

适用型号：
CTBI-04/00.1

国际标准的家庭和楼宇控制系统



产品功能

- 开关和调光功能
- 操作窗帘和百叶窗功能
- 发送值/强制输出功能
- 场景控制功能
- 多重操作功能
- 开关序列功能
- 标准计数和差动计数功能
- 禁用通道功能

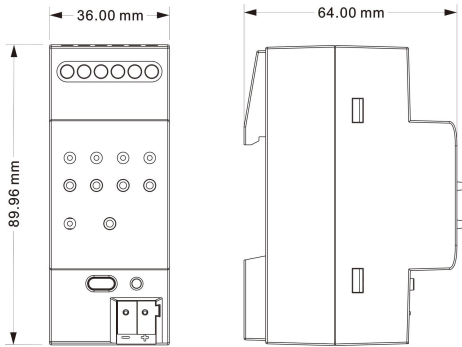
技术参数

| | | |
|------|---------------|----------------------------------|
| 电 源 | —工作电压 | 21-30V DC，由总线提供 |
| | —EIB/KNX 电流消耗 | <12mA |
| | —EIB/KNX 待机功耗 | Max.360W |
| 输 入 | —通道数 | 4 个 |
| | —允许输入电压范围 | 0~265V AC/DC |
| | —输入电流 | Max.2mA |
| | —信号电平为 0 信号 | 0~3V AC/DC |
| | —信号电平为 1 信号 | 9~265V AC/DC |
| | —允许电缆长度 | ≤100M（横截面为 1.5 mm²） |
| | —EIB / KNX | 总线连接端子(直径 0.8mm) |
| 接线端子 | —螺丝端子 | 多芯，0.2~2.5 mm² 单芯，0.2~4.0 mm² |
| | —紧固扭矩 | Max.0.6Nm |

| | | |
|-------|---------------|---------------|
| 操作和指示 | —程序编制 LED 和按键 | 分配物理地址 |
| | —通道 LED | 指示对应的通道输入状况 |
| | —手动操作按钮 | 更改按钮对应的通道输入 |
| | —手动/自动 LED | 用于指示手动/自动模式状态 |
| | —手动/自动按钮 | 用于切换手动和自动模式 |

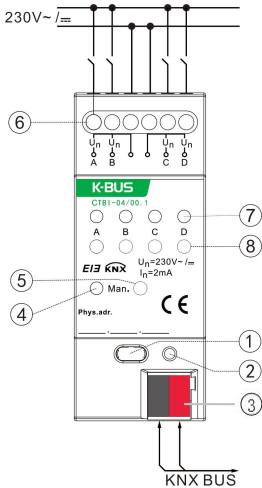
| | | |
|------|-----|-------------------|
| 温度范围 | —运行 | -5 °C ... 45 °C |
| | —存储 | - 25 °C ... 55 °C |
| | —运输 | - 25 °C ... 70 °C |

尺寸规格



| 型号 | 尺寸 | 重量 |
|--------------|---------------|-------|
| CTBI-04/00.1 | 36×89.96×64mm | 0.1kg |

接线图



说明

- ① 编程按钮
- ② 编程 LED
- ③ EIB/KNX 总线连接端
- ④ 手动/自动 LED
- ⑤ 手动/自动按钮
- ⑥ 输入连接端子
- ⑦ 通道 LED
- ⑧ 手动操作按钮

安装说明

此设备为了方便快速安装到配电箱或小盒子里面，根据 EN 60715 系列设计成模块化安装设备，能安装在 35 毫米丁导轨上。安装时必须确保设备操作、测试、检测、维护、维修正确无误。

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）。
- 器件只可以运行在封闭的环境中（例如配电箱）。

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。