

Technical Sheet
For EIB/KNX 4A LED Dimming Actuator

ADLD-04/03.1



The worldwide STANDARD for home and building control

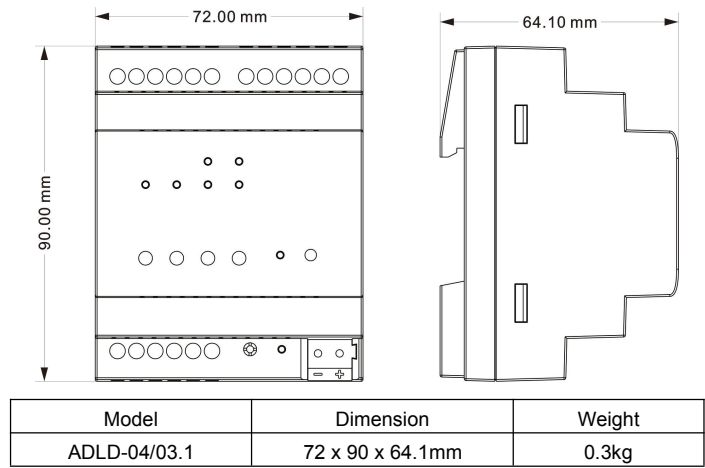
CHARACTERISTICS

- Control switch of the LED lamp
- Relative dimming function
- Control brightness values of the LED lamp
- State report, error report
- 15 scenes setting
- Staircase lighting function
- Bus recovery function
- Preset function, set preset function
- Switch/ relative dimming via manual buttons

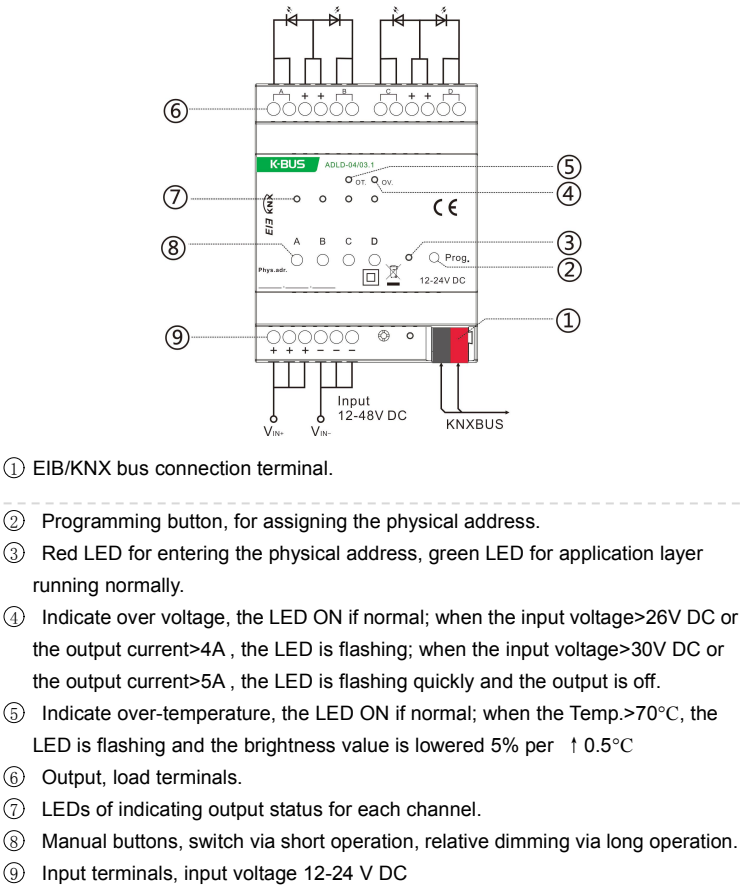
PARAMETERS

Power	Operating voltage	21-30V DC, via the EIB bus
	Current consumption	<12mA
Supply	Power consumption	<360mW
	Input	12-24V DC
Output	4 channels	
	Rated current	4A
	Load voltage	12-24V DC (constant voltage)
	Safety	Short-circuit, over voltage and over temperature protection
connections	EIB/KNX	EIB bus connection terminal
	Input and output	Screw terminals
Operation and display	Button and Red LED	For assigning the physical address
	Green LED flashing	Indicate the application layer running normally
Temperature	OT. LED	Indicate over-temperature, >70 °C
	OV. LED	Indicate over voltage, >26V DC
	Manual buttons	Switch via a short operation, relative dimming via a long operation
	LEDs for output	Indicate output status per channel
	Operation	-5°C ~45°C
Mounting	Storage	-25°C ~55°C
	Transport	-25°C ~70°C
Ambient	On 35mm DIN rail	
	Humidity	<93%, except dewing

DIMENSIONS



DESCRIPTIONS



INSTALLATION FIGURE

The devices are suitable for installation on the distribution boards with 35mm DIN 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：
ADLD-04/03.1

国际标准的家庭和楼宇控制系统



产品功能

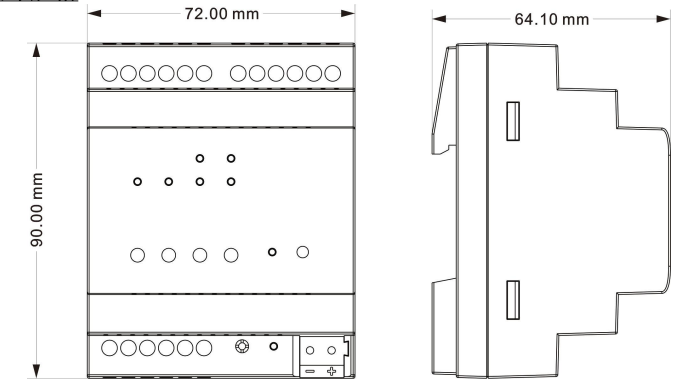
- 开关照明功能
- 相对调光功能
- 控制灯具的亮度
- 状态报告、错误报告
- 15 个场景设置
- 楼梯灯功能
- 总线复位功能
- 预设功能、预设保存功能
- 手动开关/调光

技术参数

电 源	工作电压	21-30V DC，由总线提供
	工作电流	<12mA
	待机功耗	<360mW
	输入电压	12-24V DC
输 出	4 通道独立输出	
	额定电流	4A
	负载电压	12-24V DC(恒压)
	保护措施	短路、过压和过温保护
连 接	EIB / KNX	EIB 总线连接端子(直径 0.8mm)
	输入、输出	螺丝接线柱
操作和指示	按键和红色 LED	分配物理地址
	绿色 LED 闪烁	指示设备应用层工作正常

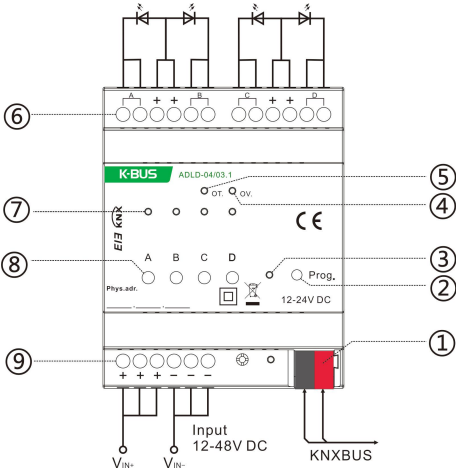
	输出指示 LED	指示每个通道的输出状态
	手动按钮	短按开/关，长按相对调光
	OT. LED	过温指示，>70°C
温度范围	运行	-5 °C ... + 45 °C
	存储	-25 °C ... + 55 °C
	运输	- 25 °C ... + 70 °C
环境条件	湿度	<93%,结露除外
设 计	标准 35mm DIN 导轨安装	

尺寸规格



型号	尺寸	重量
ADLD-04/03.1	72 x 90 x 64.1mm	0.3kg

接线图



说明

- ① EIB/KNX 总线连接端
- ② 编程按钮，分配物理地址
- ③ 红色 LED 指示进入物理地址编程，绿色 LED 闪烁指示设备应用层工作正常
- ④ 过压指示，正常时常亮；输入电压>26V DC 或输出电流>4A，此 LED 闪；输入电压>30V DC 或输出电流>5A，此 LED 快闪，同时输出断开
- ⑤ 过温指示，正常时常亮；设备温度>70°C，此 LED 亮，同时温度每升 0.5°C，输出亮度降低 5%
- ⑥ 输出连接端子，负载电压 12-24V DC
- ⑦ 输出状态指示，此通道的 LED 亮，表示此通道有输出，LED 灭，则无输出
- ⑧ 手动按钮，短按开/关输出；长按相对调光输出
- ⑨ 输入连接端子，输入电压 12-24V DC

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 系列设计成标准模数化设备，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。