

Technical Sheet For EIB/KNX Switch Blind Actuator

AMRW-24/10.1



The worldwide standard for home and building control

CHARACTERISTICS

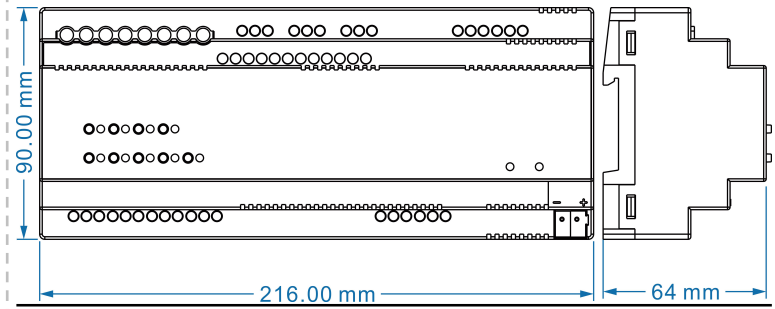
The device can set max. 24 channels switch output or max. 12 channels shutter output. One channel shutter output can be used as 2 channels switch when they are not used as shutter/blind output .

- Switch output, which can connect some electrical loads, such as lighting, sockets. The power of the load is 230V AC 10A output with manual button control in front of the device. All channels have the function of general switch, staircase lighting, light flashing and switch delay, scene, operation hours counter, also logic and force operation are available
- Shutter output, which can connect with motor blinds, awnings, roller blinds, vertical blind, etc. With 230V AC 1000W motor or dry contact controlling motor. Operating shutter and louvre adjustment are available; automatic function and sun protection are available; scene and safety operating are available;

PARAMETERS

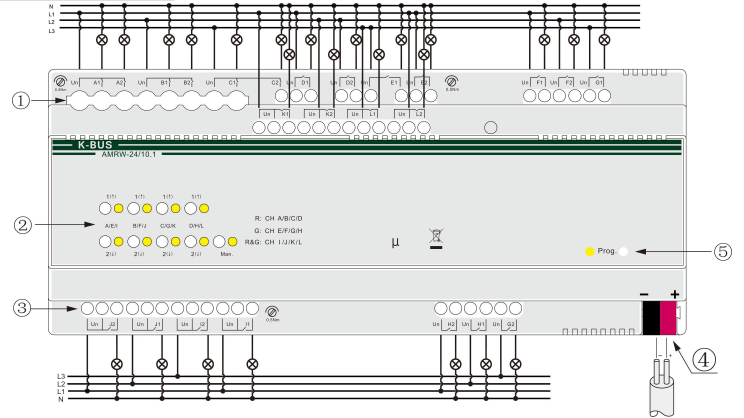
Power supply	Bus voltage	21-30V DC, via the EIB
	Standby current	Max. 12mA
	Power consumption	Max. 360mW
	Capacitor charge current	Max. 24mA
Output	24 channels	Can be individually configured
	Un rated voltage	230/400V AC (50/60Hz)
	In rated current capacity	10A/105uF
	Max. switching current	16A/240V AC
	Mechanical endurance	> 2 x 10 ⁶
	Electrical endurance	>5 x10 ⁴
	Max. DC current switching capacity (resistive load)	16A/30V DC
Connection	EIB/KNX	Via bus connection terminals
	Outputs A/B/C1, Screw terminals, Wire Range	0.5-4mm ²
	Torque	0.8N-m
Operation and display	Other outputs, Screw terminals, Wire Range	0.5-2.5mm ²
	Torque	0.5N-m
	programming button and Red LED	For assigning the physical address
	Green LED flashing	For displaying application layer running normally
Temperature	Operation	-5 °C ... + 45 °C
	Storage	-25 °C ... + 55 °C
	Transport	- 25 °C ... + 70 °C
Environmental	humidity	<93%, except condensation

DIMENSIONS



Model	Dimension	Weight
AMRW-24/10.1	216×90×64mm(L×W×H)	0.8kg

DESCRIPTIONS



①③ Output terminals A~L, As switch or curtain output, A1 corresponds to A↑, A2 corresponds to A↓. The other channels have the same function.

② **Manual operation buttons and status indicating light for outputs A~L.**

The LED near the button indicates the corresponding output of state, in case of switch the LED on is output, off is no output. In case of curtain, to move the curtain via a long operation, and slat adj./stop via a short operation. When curtain is running, the LED will flash; If both of blinds and slat arrive at min. or max. position, the LED will be on.

Manual/auto. operation (Man.) switch button and status indicating light.

Switch the manual/Auto. Operation via a long operation. In the manual operation, switch the output channels via a short operation.

When the LED near the button is Red(R), the output A,B,C,D can be controlled.

When the LED is Green(G), the output E,F,G,H can be controlled.

When the LED is R&G, the output I,J,K,L can be controlled.

④ EIB/KNX bus terminal

⑤ Programming button and LED

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.

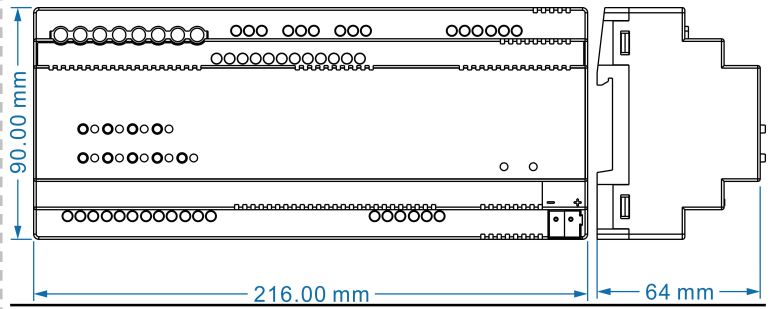
开关窗帘执行器技术规格书

适用型号：
AMRW-24/10.1

国际标准的家庭和楼宇控制系统



尺寸图



型号	尺寸	重量
AMRW-24/10.1	216×90×64mm(长×宽×高)	0.8kg

产品功能特性

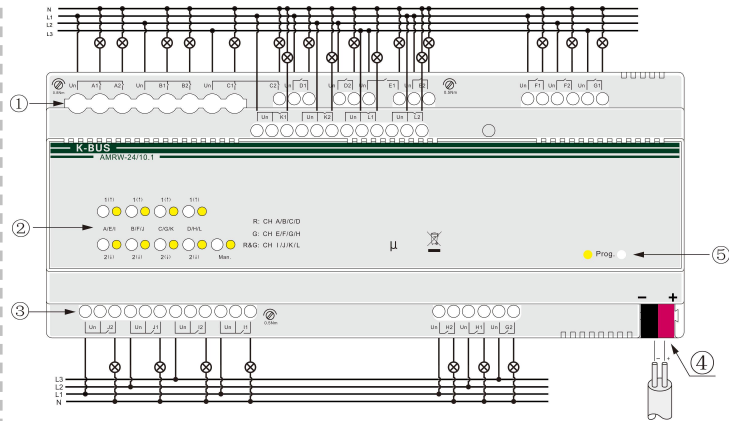
此设备最多有 24 路开关输出或 12 路窗帘输出，既当窗帘输出不使用时，一路窗帘输出可作为两路独立开关输出。

- 开关输出：连接一些电气负载，如照明，插座。所带负载大小为 230VAC 10A，且设备上带有电子开关控制输出按钮。所有通道都有普通开关、楼梯灯、闪烁和时间功能，以及场景、逻辑、强制操作和操作时间计时功能。
- 窗帘输出：连接一些带电机的百叶窗、遮阳篷、卷帘、开闭帘、垂直窗等，所带负载为 230VAC 10A 交流电机或干接点控制电机类型。可移动窗帘，也可调整百叶角度，还带有自动功能和太阳防护、场景和安全操作功能。

参数

电 源	工作电压	21-30V DC,通过总线取电
	待机电流	最大 12mA
	充电电流	最大 24mA
	待机功耗	最大 360mW
	输 出	24 通道
Un 额定电压		230/400V AC (50/60Hz)
In 额定电流及容性		10A/105uF
最大切换电流		16A/240V AC
机械寿命		> 2 x 10 ⁶
电气寿命		>5 x 10 ⁴
最大切换直流(阻性负)		16A/30V DC
连 接	EIB/KNX	总线连接端子连接(红/黑), 0.8 mm Ø
	A/B/C1 输出端	使用拧线螺丝柱连接,使用线径 0.5-4mm ² 扭力矩 0.8N-m
	其它输出端	使用拧线螺丝柱连接, 使用线径 0.5-2.5mm ² , 扭力矩 0.5N-m
操作及显示	编程按键和 LED 灯	编程物理地址
	绿色灯闪烁	指示应用层运行正常
温 度	操作	-5 °C ... + 45 °C
	存储	-25 °C ... + 55 °C
	运输	-25 °C ... + 70 °C
环 境	湿度	<93%,结露除外
安 装	模块化设备	35mm 导轨安装

说明



①③输出负载端子:A~L, 其中 A1,A2 为两路开关输出或一路窗帘输出, 作为窗帘输出时, A1 对应 A↑上移, A2 对应 A↓下移, 其它通道用法相同。

②通道输出(A~L)的手动操作按钮和输出指示:

- 按钮用于控制开关输出时,按钮旁边的指示灯指示输出状态,亮时有输出,灭时无输出;
- 按钮用于控制窗帘/百叶窗时,短按按钮上移和下移窗帘/百叶窗,长按按钮停止移动/调整百叶,在窗帘/百叶窗运行过程中,旁边的指示灯会闪,当窗帘和百叶角度都到达极限位置时,指示灯变常亮。

手动/自动(Man.)切换按钮和指示:

长按此按钮时用于切换手动/自动操作。在手动操作下,短按此按钮,则用于切换输出通道的操作按钮:

- 当旁边的指示灯为红色(R)时,输出按钮可用于控制 A,B,C,D 四个通道;
- 当指示灯为绿色(G)时,输出按钮可用于控制 E,F,G,H 四个通道;
- 当指示灯为红绿色(R&G)时,输出按钮可用于控制 I,J,K,L 四个通道。

④EIB/KNX 总线连接端子

⑤编程按键及 LED 指示灯:红灯指示编程物理地址,绿灯指示设备应用层运行正常

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。