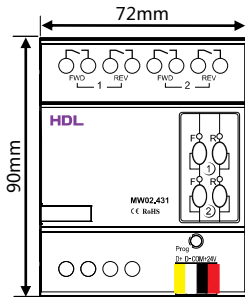
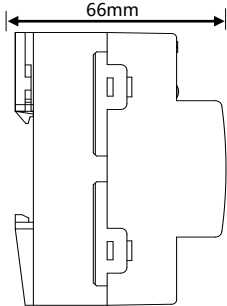
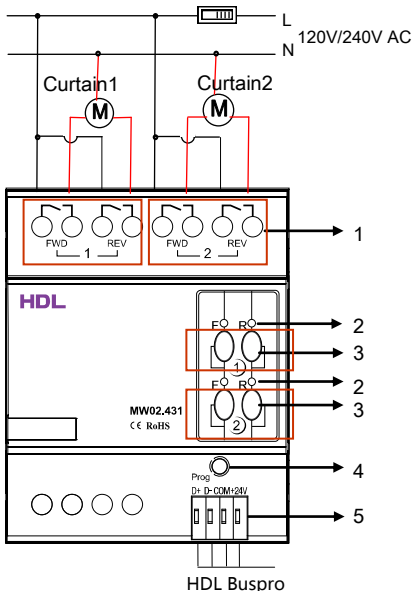


Figure 1. 2CH Motorized Curtain Control Module
图 1. 2路窗帘模块Figure 2. Dimensions - Front View
图 2. 尺寸图 - 正面Figure 3. Dimensions - Side View
图 3. 尺寸图 - 侧面Figure 4. Wiring
图 4. 接线图

Overview

2CH Motorized Curtain Control Module (See Figure 1) is specially designed for controlling 2ch curtains (shutters) through the controlling of AC motor. Users can make inching control for the shutters, set working time for each channel independently. Operation can be done on iPad and iPhone.

Functions

- 2-channel curtain control
- Hardware/software interlock for motor protection
- Curtain working time settable
- Control/Inching control of shutter
- Easy programming
- HDL Buspro online update

Important Notes

- Installation - Distribution box
- Buspro cable - CAT5E or HDL Buspro/KNX dedicated cable
- Buspro connection - Series connection (hand-in-hand recommended)
- Output circuit - Maximum current of each channel is 5A

Product Information

Dimensions - See Figure 2 - 3

Wiring - See Figure 4

- Curtain control terminals
FWD: Controls the forward direction of motor
REV: Controls the reverse direction of motor
- LED indicator: Normally on when motor working
- Buttons: Manually press the button for controlling local curtains
F: Control Curtain 1 or 2, FWD/STOP control;
R: Control Curtain 1 or 2, REV/STOP control;
- Module indicator & programming button: The indicator flickers when the module is working properly. Press the button for 3s to read and modify the module address via HDL Buspro Setup Tool.
- HDL Buspro interface

Installation - See Figure 5 - 7

- Step 1. Fix the DIN rail with screws.
Step 2. Buckle the bottom cap of the 2CH Motorized Curtain Control Module on the edge of the DIN rail.
Step 3. Press the device on the DIN rail, slide it and fix it up until an appropriate position is adjusted.

Safety Precautions

- The installation and commissioning of the device must be carried out by HDL or the organization designated by HDL. For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.
- The device should be installed with Din rail in DB box. HDL does not take responsibility for all the consequences caused by installation and wire connection that are not in accordance with this document.
- Please do not privately disassemble the device or change components, otherwise it may cause mechanical failure, electric shock, fire or body injury.
- Please resort to our customer service department or designated agencies for maintenance service. The warranty is not applicable for the product fault caused by private disassembly.
- It is not allowed to exceed the range.
- CAUTION - Risk of Electric Shock - More than one disconnect switch may be required to de-energize the equipment before servicing.
- The marking appears on the device, shown below shall be used to indicate that the device is for use with copper wire. The marking shall be legible with letters at least 2.4 mm high. "Use copper wire only", "Cu wire only" or equivalent wording, or a marking containing both the symbols as the illustrations.



Package Contents

HDL-MW02.431*1 / Buspro connector*1 / Label*5 / Datasheet*1

产品概述

2路窗帘模块(见图1)是一款专业的2路窗帘(百页窗)控制器,可通过控制其交流电机实现窗帘控制。每路可以单独设置运行时间,支持百叶窗微调,同时支持iPad, iPhone对其的控制。

功能说明

- 二路窗帘控制
- 软硬件正反互锁
- 可设置窗帘的运行时间
- 百叶窗控制,对百叶窗微调
- 简易编程
- 支持HDL Buspro在线升级

注意事项

- 安装位置 - 配电箱
- 总线 - CAT5E或者HDL Buspro/KNX 专用电缆
- 总线连接 - 推荐使用手拉手的连接方式
- 输出电路 - 确保每回路电流不超过5A

产品信息

产品尺寸- 见图 2 - 3

产品接线 - 见图 4

- 窗帘接线端
FWD: 接窗帘电机正转端
REV: 接窗帘电机反转端
- LED状态指示灯,电机运行时指示灯亮
- 控制按钮: 手动按钮控制本地窗帘
F 键: 控制窗帘1或2, 按该键正转, 再按停止运行
R 键: 控制窗帘1或2, 按该键反转, 再按停止运行
- 模块指示灯&编程按键, 正常工作时闪烁, 按该键约3秒, 则可以在HDL Buspro软件中读取或修改本模块地址
- HDL Buspro接口

设备的安装 - 见图 5-7

- 步骤1. 首先用螺丝固定丁导轨。
步骤2. 将2路窗帘模块底盖的一端扣在导轨的边上。
步骤3. 将整个模块压到导轨上, 并滑动模块直至调整到合适的位置则固定下来。

安全警告

- 本设备的安装及调试工作必须由我司或我司指派的机构进行。其电气安装的计划和施工, 必须遵守当地相关的安全标准和法规。
- 该产品需以丁导轨安装方式, 安装在配电箱里, 未按照本说明书进行安装及接线方式的, 所造成的一切后果皆与我司无关。
- 请不要私自拆装或更换零部件, 否则可能会导致机械故障、电击、火灾或身体伤害。
- 请将一切维修工作交由我司售后部门或指定机构进行, 本产品的保修范围不适用于因用户拆卸产品而导致的故障。
- 不得超量程使用。
- 警告-为防止触电-在维修设备前, 需要一个以上的断路开关来断开设备电源。
- 设备上的标识, 如下图所示, 应用来指示设备配合铜线使用。标记应以至少2.4毫米高的字母书写。"只可使用铜线"、"仅使用铜线"或等效的措辞, 或包含两个符号的标记作为插图说明。



装箱清单

HDL-MW02.431*1 / 总线端子*1 / 标签纸*5 / 说明书*1

EN

Technical Data

Electrical Parameters

Working voltage	15~30V DC Class 2
Working current	35mA/24V DC
Input voltage	120V/240V AC (50/60Hz)
Maximum current in each channel	5A
Electronic life time of relay	>60000 (Resistance Load)
AC motor type	Single-phase capacitor

External Environment

Working temperature	-5°C~45°C
Working relative humidity	≤90%
Storage temperature	-20°C~60°C
Storage relative humidity	≤93%

Specifications

Dimensions	72mm×90mm×66mm
Net weight	250g
Housing material	Nylon, PC
Installation	35mm DIN rail installation (See Figure 5 - 7)
Protection rating (Compliant with EN 60529)	IP20

Recommended Load Types and Power

240V, 5A, General Use, 30,000 cycles, 40°C;
240V, 1.6FLA/9.6LRA, Motor (PF>=0.6), 30,000 cycles, 40°C;
120V, 5A, General Use, 30,000 cycles, 40°C;
120V, 1.6FLA/9.6LRA, Motor (PF>=0.6), 30,000 cycles, 40°C;

Name and Content of Hazardous Substances in Products

Components	Hazardous substances					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Chromium VI (Cr (VI))	Poly-brominated biphenyls (PBB)	Poly-brominated diphenyl ethers (PBDE)
Plastic	o	o	o	o	o	o
Hardware	o	o	o	o	-	-
Screw	o	o	o	x	-	-
Solder	x	o	o	o	-	-
PCB	x	o	o	o	o	o
IC	o	o	o	o	x	x

The symbol "-" indicates that the hazardous substance is not contained.
The symbol "o" indicates that the content of the hazardous substances in all the homogeneous materials of the component is below the limit requirement specified in the Standard IEC62321-2015.
The symbol "x" indicates that the content of the hazardous substance in at least one of the homogeneous materials of the part exceeds the limit requirement specified in the Standard IEC62321-2015.

HDL Buspro Cable Guide

HDL Buspro	HDL Buspro/KNX	CAT5/CAT5E
DATA+	Yellow	Blue/Green
DATA-	White	Blue White/Green White
COM	Black	Brown White/Orange White
24V DC	Red	Brown/Orange

ZH

技术参数

电气参数

工作电压	15~30V DC Class 2
工作电流	35mA/24V DC
输入电压	120V/240V AC (50/60Hz)
每回路输出最大电流	5A
继电器电气寿命	> 60000次 (阻性负载)
电机类型	单相电容式

外部环境

工作温度	-5°C~45°C
工作相对湿度	≤90%
储存温度	-20°C~60°C
储存相对湿度	≤93%

产品规格

尺寸	72mm×90mm×66mm
净重	250g
外壳材料	尼龙, PC
安装方式	35mm 丁导轨安装 (见图5-7)
防护级别 (符合 EN 60529)	IP20

推荐负载类型及功率

240V, 5A, 通用, 30,000 cycles, 40°C;
240V, 1.6FLA/9.6LRA, 电机(PF>=0.6), 30,000 cycles, 40°C;
120V, 5A, 通用, 30,000 cycles, 40°C;
120V, 1.6FLA/9.6LRA, 电机(PF>=0.6), 30,000 cycles, 40°C;

产品中有害物质的名称及含量

部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
塑胶组件	o	o	o	o	o	o
五金铜件	o	o	o	o	-	-
螺丝组件	o	o	o	x	-	-
焊锡	x	o	o	o	-	-
PCB组件	x	o	o	o	o	o
IC	o	o	o	o	x	x

- : 表示不含有该有害物质。
o : 表示该有害物质在该部件所有均质材料中的含量均在IEC62321-2015规定的限量要求以下。
x : 表示该有害物质至少在该部件的某一均质材料中的含量超出IEC62321-2015规定的限量要求。

总线定义

HDL Buspro	HDL Buspro/KNX	CAT5/CAT5E
DATA+	黄	蓝/绿
DATA-	白	蓝白/绿白
COM	黑	棕白/橙白
24V DC	红	棕/橙



Figure 5 / 图 5



Figure 6 / 图 6



Figure 7 / 图 7

Figure 5 - 7. Installation
图 5 - 7. 安装图

技术支持
服务热线：020-85820195
(工作时间：9:00-12:00, 13:00-18:00, 星期一至星期五)
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网址：http://www.hdlchina.com

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Website: https://www.hdlautomation.com