HDL-MCLog.431
Logic Automation Module

Datasheet

Issued: March 7, 2019
Edition: V1.0.0



Figure 1. Logic Automation Module

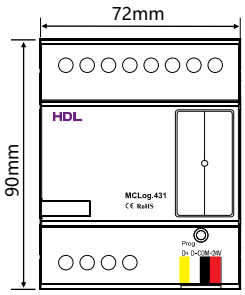


Figure 2. Dimensions - Front View

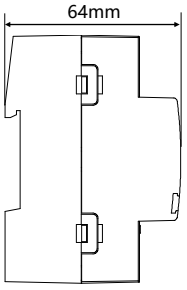


Figure 3. Dimensions - Side View

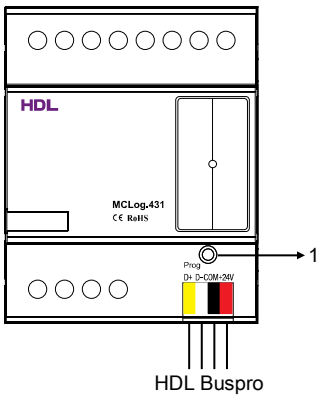


Figure 4. Components - Front View

Overview

Logic Automation Module (See Figure 1) is used for controlling over a series of targets. Totally 12 logic groups, 240 logic blocks can be set. The logic conditions enable date and timing information input, universal switch status, and external inputs.

Functions

- Event settings for each day.
- Up to 12 logic groups can be set, each logic group has 20 logic blocks. Logic block can be connected with another one, which means the output pin of one logic block can be the input pin of another logic block.
- Each logic block has 4 input Pins and 20 output control targets.
- Types of Logic Table Input Pin: Year, date, week, time, universal switch, external input value, scene status, sequence status, external universal switch status, channel status, panel status, security device etc.
- Logic Relations: AND, OR, NAND, NOR.
- Built-in real-time clock.
- Online update via HDL Buspro Setup Tool

Important Notes

- Buspro cable - CAT5E or dedicated HDL Buspro cable.
- Buspro connection – Series connection (hand-in-hand recommended)

Product Information

Dimensions - See Figure 2 - 3

Components - See Figure 4

1. Module indicator: The indicator flashes when the module is working properly. Keep pressing the button for 3 seconds, the address of the module can be read and modified via HDL Buspro Setup Tool.

Installation - See Figure 5 - 7

Step 1. Fix the DIN rail with screws.

Step 2. Buckle the bottom cap of the Logic Automation 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.

Package Contents

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



Figure 5

1

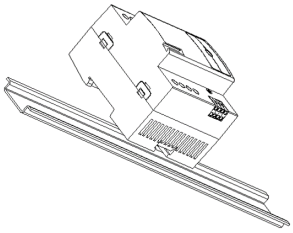


Figure 6

2

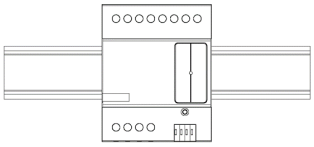


Figure 7

Figure 5 – 7. Installation

Technical Data

Basic Parameters	
Working voltage	15~30V DC
Working current	15mA/24V DC
Communication	HDL Buspro
External Environment	
Working temperature	-5℃~45℃
Working relative humidity	≤90%
Storage temperature	-20℃~60℃
Storage relative humidity	≤93%
Specifications	
Dimensions	72mm×90mm×64mm
Net weight	122g
Housing material	Nylon, PC
Installation	35mm DIN rail installation (See Figure 5 - 7)
Protection rating (Compliant with EN 60529)	IP20

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	×	-	-
Solder	×	o	o	o	-	-
PCB	×	o	o	o	o	o
IC	o	o	o	o	×	×

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 “×” 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 Cable	CAT5/CAT5E
DATA+	Yellow	Blue/Green
DATA-	White	Blue white/Green white
COM	Black	Brown white/Orange white
24V DC	Red	Brown/Orange

ЧТУП «ОллВижн»

г. Минск, ул. Богдановича, 11

+375 33 370 20 20, +375 29 370 20 20

info@allvision.by

hdl.by

ТЕХНИЧЕСКАЯ ПОДДЕРЖКА: **+375 29 7 511 611**

©Copyright by HDL Automation Co., Ltd. All rights reserved.
Specifications subject to change without notice.