

MX240

Loop Relay Module



Features and Benefits

- EN54-18 Compliance
- Built-in MCU processor
- Input bus, the output bus signal between the electrical isolation, electromagnetic interference has a good inhibitory capacity, stable and reliable work Input Fire or Supervisory signal configuration
- LED status indicator
- To correct the bus signal, the output standard bus waveform
- Fast intelligent bus output short circuit judge function, bus output short circuit protection function; after the bus is normal, it can recover the bus output in time
- Aesthetically pleasing design

Overview

MX240 loop relay module uses DC24V power supply, through the internal electrical isolation circuit, realize the input bus signal and the output bus signal isolated real-time transmission, output standard bus waveform. The loop relay module can improve the anti-interference ability of the bus, and has the function of extending the communication distance of the bus. The bus signal is mainly used in the field of external interference distortion or need to extend the communication distance of the bus.

The unit manufactured base on the requirement of EN 54 part 18, European Standard. The unit is aesthetically pleasing with unobtrusive design that will complement modern building designs and its plug-in type assemblies make installation and maintenance more convenient to the installer. The unit is compatible to the MX700 Analogue Intelligent Fire Alarm Control Panel, produced by single manufacture to avoid addressable communication compatibility problem.

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Technical Specification

Compliance	EN54-18:2005	
Input Voltage	Loop Power: 24VDC (16V to 28V) External PSU: 20 to 28VDC	
Current Consumption	Loop: ≤5mA	External PSU : ≤500mA
Loop input range	≤1000m	
Loop output range	≤1000m	
Most cascade three		
Protocol / Addressing	Proprietary, Value range from 1 to 254	
Indicator Status	Normal: Single blink Fault: Steady-on	
Material / Colour	Metal / Gray	
Dimension / LWH	155.0mm x 97.0mm x 40.0mm	
Weight	490gram	
Operating Temperature	-10°C to +55°C	
Humidity	0 to 95% Relative Humidity, Non condensing	

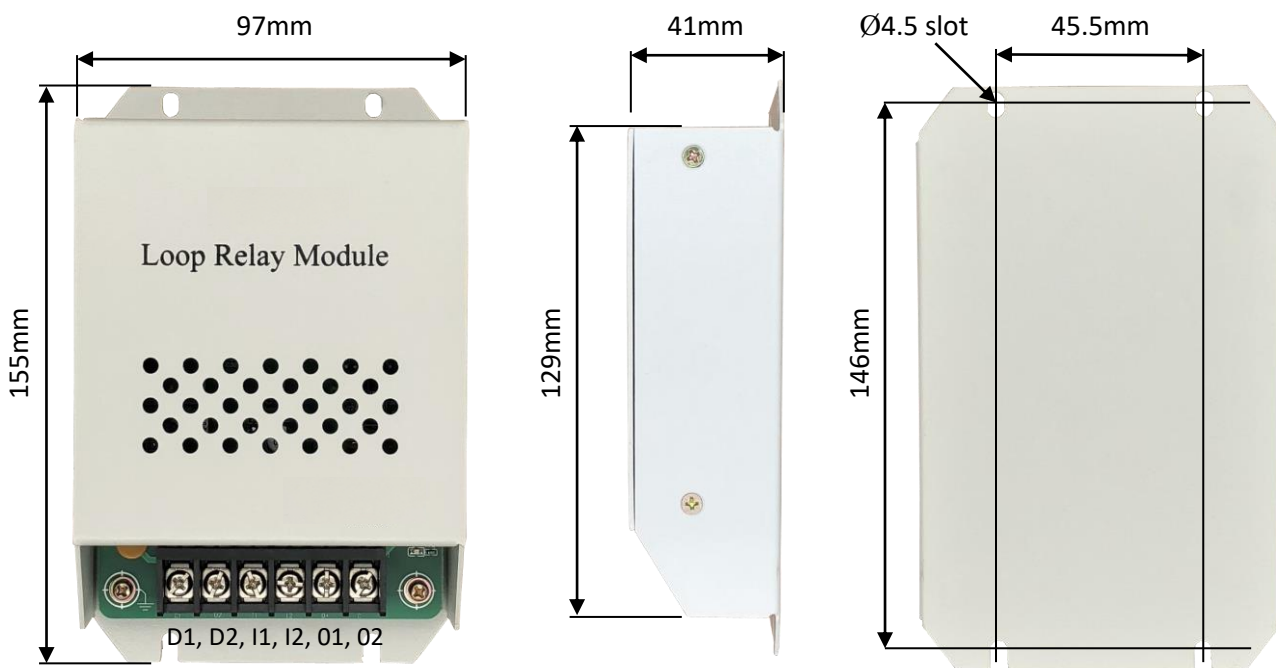


Figure 2: Loop relay module figure size

D1、D2: 24V power input terminal

I1、I2: Bus input terminal

O1、O2: Bus output terminal, O1 is the positive, O2 is the negative.

Wiring requirements: no polarity signal two bus using RVS twisted pair, Sectional area≥1.0mm² ; DC24V power using BV line, Sectional area≥1.5mm²

NOTE: the MX240 cannot be used in the loop.

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