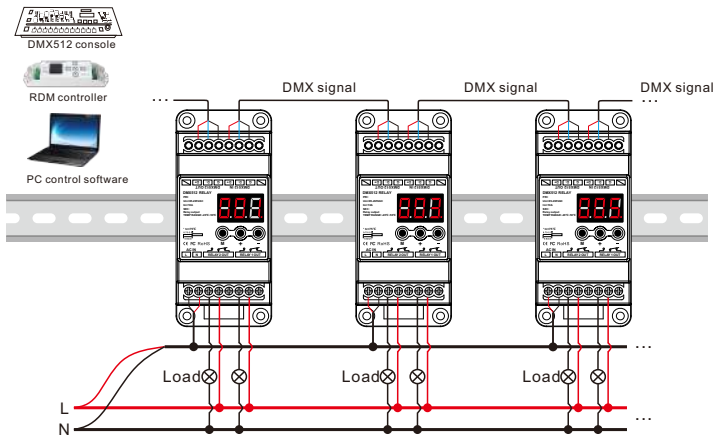


5. DMX control relay wiring diagram



7. After Sales

From the day you purchase our products within 3 years, if being used properly in accordance with the instruction, and quality problems occur, we provide free repair or replacement services except the following cases:

1. Any defects caused by wrong operations.
2. Any damages caused by inappropriate power supply or abnormal voltage.
3. Any damages caused by unauthorized removal, maintenance, modifying circuit, incorrect connections and replacing chips.
4. Any damages due to transportation, breaking, flooded water after the purchase.
5. Any damages caused by earthquake, fire, flood, lightning strike etc force majeure of natural disasters.
6. Any damages caused by negligence, inappropriate storing at high temperature and humidity environment or near harmful chemicals.

DIN Rail DMX512 Relay User Manual



(Please read through this manual carefully before use)

Update Time: 2023.09.21

1. Brief Introduction

Welcome to use our DIN rail DMX512 relay. This product controls the closure and open of the relay through DMX512 signal, so as to control the remote switch.

2. Specification

Model	DIN Rail DMX512-RDM Relay
Input Voltage	AC85-265V
Input Signal	DMX512/RDM
Relay output	2 channel
Signal interface type	Terminal Block
Max voltage/current	250VAC/10A
Work temperature	-20°C-55°C
Product dimension	L111×W46×H66(mm)
Weight	135g

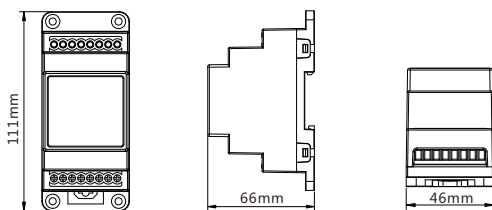
3. Basic Features

1. Automatically adapt to AC85-265V working voltage.
2. Input standard DMX512 signal; 3-digit-display shows DMX address code.
3. With RDM remote management protocol, the DMX address can be browsed or set via the RDM master console.
4. Indicator of the DMX512 signal receiving status.
5. With power loss memory function, and the set DMX addresses can be stored permanently.
6. The DIN rail style design facilitates the installation of large-scale projects.

4. Safety warning

1. In order to use it properly and safely, please read user's manual carefully before installation.
 2. Please don't install this unit in lighting, intense magnetic and high-voltage fields.
 3. To reduce the risk of component damage and fire caused by short circuit, make sure correct connection.
 4. Always be sure to mount this unit in an area that will allow proper ventilation to ensure a fitting temperature.
 5. The controller must be equipped with a DC constant voltage power supply. Before powering on, check whether the input power voltage is consistent with product requirement.
 6. Don't connect cables with power on; make sure a correct connection and no short circuit checked with instruction before power on.
 7. Please don't repair by yourself if problems occur.
- The manual is only suitable for this model; any update is subject to change without prior notice.

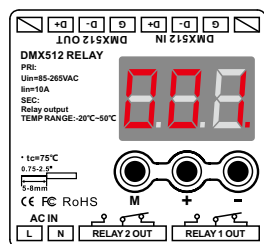
5. Dimensions



6. Operating instructions

1. Key instruction
There are three keys in relay, respectively M, +, -. Long press "M" for 2 seconds, enter system setup mode.

M	Switch sequence between 3-digital-display
+	Increase current set value
-	Decrease current set value



Three-digital-display shows the current setting value. Different values indicate different operating status. Three-digital-display goes off after relay working for 30 seconds, press any key to turn it on. The relay has an automatic lock function. After 15 seconds of no operation, enter the screen lock interface. Press the M key for 2 seconds to unlock.

2. Patterns list:

001-512	Receive DMX signal
520-529	Test function, control relay 1 close and open at different speeds
530-539	Test function, control relay 2 close and open at different speeds



520 and 530, First two digital indicate the modes, the third one shows the speed. 10 speed levels, from 0-9 speed decreasing.

3. DMX address set: set value is 001-512, such as "001"



The decimal point of last digital will twinkle regularly when receives DMX512 signal normally. When no signal is received, the decimal point does not twinkle, and showing current DMX address. When the input signal of the decoder is wrong connected or short-circuit, the decimal point does not twinkle, and the decoder works again after the short circuit or the wrong wiring is cleared.

4. DMX signal control instruction

DMX channel	DMX controlling value(0-255)	Effect
CH 1	0-127	Normally closed contact is ON(power outage is normally closed contact)
	128-255	Normally open contact is ON
CH 2	0-127	Normally closed contact is ON(power outage is normally closed contact)
	128-255	Normally open contact is ON

A device occupies 2 DMX address. The DMX address value is 0-255. When the value is 127 and below, normally closed contact is ON and normally open contact is OFF; when the value is 128 and above, normally closed contact is OFF, and normally open contact is ON.

For example, If the address is set to 001, the occupied addresses are 001 and 002. When the value of 001 is set to 128-255, the corresponding relay 1 will disconnect from normally closed contact and connect to normally open contact. On the contrary, when the value of 002 is set to 1-127, the corresponding relay 2 will connect to normally closed contact and disconnect from normally open contact. Thus the relay can control the remote switch through DMX512 signal.