

RLYA08ENC

8 - 10 AMP, 120 Volt AC relays in an Aluminum enclosure with OLED display

DMX512 input

Accepts DMX512 digital stage lighting protocol, 512 channels.

Only DMX packets with a zero start code will be accepted. Non-zero start code packets will be ignored.

RLYA08ENC receiver is equivalent to ¼ unit load to the DMX input.

Main Screen

The top line is the Start Address.

Second line is the status of DMX input.

The bottom is a simple bar graph display of the incoming DMX signal.

To change to slots displayed, use the UP and DOWN buttons to scroll the display.

The bar graph is only displayed on the main screen.

Setting the mode using the MODE button

There are 3 screens used to determine the configuration of the RLYA08.

Each configuration screen is numbered in the lower right corner.

All mode setting screens use the ENTER button to save the configuration.

The current option will be highlighted in inverse text.

USE the UP and DOWN buttons to select the option you want.

Press ENTER to save that option.

Screen 1

Set the Start Address

Use the UP and DOWN buttons to select the Start Address.

Screen 2

In case of DMX signal loss

The 2 options are:

Hold last valid DMX data.

All relays off.

Screen 3

Set the Bar graph start address

The 2 options are:

Always start at address 001.

The bar graph starts at the current Start Address

Output Connectoer

The RLYA08 has 8, normally open dry contact relays.

The pluggable terminal blocks are removable to make wire insertion easy.

Acceptable wire size is 16 – 22 AWG.

Power requirements:

5 to 9 volts DC @ 100 mA.

Board connections:

Power connection to the RLYA08 is by 2.1MM barrel plug with center positive.

DMX512 In connections

The RLYA08 provides Neutrik 5 pin XLR In and Out connectors wired as a thru connection.

The DMX input pin numbers correspond to the XLR pin numbers.

The ground pin (1) is signal ground – not earth ground.
XLR pins 4 and 5 are not used.

PIN	WIRE	SIGNAL
1	signal	signal ground/return
2	signal	data compliment (-)
3	signal	data true (+)
4	signal	loop through(-)
5	signal	loop through(+)

Physical Dimensions:

6.50" X 6.50" X 2.00"

Earth ground connection

DMX512 recommends use of earth ground referenced transmitting devices and isolated receiving devices.

The normal configuration for the RLYA08 is to not use the earth ground.

The RLYA08 is wired with the 0 volt power supply(circuit common ground), connected to DMX pin 1.

The DC power supply should not have the 0 volt power supply connected to earth ground.

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