

DMX DECODER

ITEM NO.: DMX-DECODER-CV

INSTRUCTION OF DMX-DECODER-CV

DMX-Decoder-CV is mainly used for convert the DMX512 signal and constant voltage output to fixture. It can work in independent mode with built-in programs and be perfectly compatible with DMX 512 signal.

A. Specification

Size:	L147xW84xH41.3mm
Material of Shell:	aluminium alloy
Weight:	0.9 / 0.5kgs
Input:	12V/24V DC
Output:	12V/24V DC
Max. output current:	3A/terminal
Working temperature:	-20-45°C
Protection rating:	IP65 / IP20



B. Working Mode

B-1. DMX mode: International standard of DMX512 signal control(XLR-3)

B-2. Independent mode: Choose the build-in programs through the back button;

C. Function & Setup

C-1. DMX mode:

When the digital LED is not flashing, press any of M / + / - , left digital LED begin to flash, press button , active digital LED moves backward, enter the new bit address edit; Press + or - , the corresponding flash digital LED increase one bit (range: 1~9);

*** valid address range: 001~512

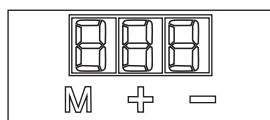
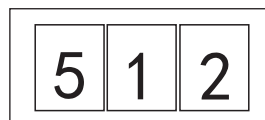


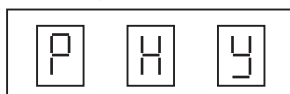
Diagram of digital LED



DMX Address

C-2. Independent mode

After pressing M four times(the first three times is to setup DMX address)enter into independent mode ;the digital LEDs show PXY, Corresponding of 3 digital LEDs ; Press + , the corresponding flash digital LED increases one bit (range: 1~9)

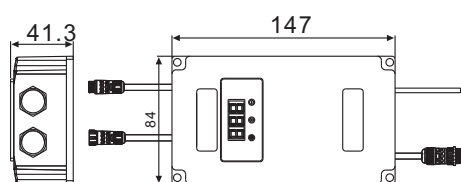


Function and parameter sheet

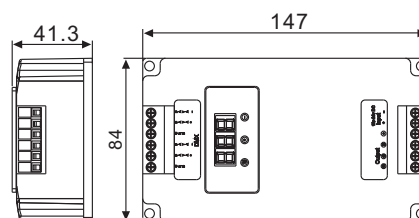
Mode	Function
P00	All colors OFF
P1X	Red only, 9 intensity levels
P2X	Green only, 9 intensity levels
P3X	Yellow, 9 intensity levels
P4X	Blue only, 9 intensity levels

Mode	Function
P5X	Purple, 9 intensity levels
P6X	Cyan, 9 intensity levels
P7X	White, 9 intensity levels
P8X	7 Color Jump , 9 speed levels
P9X	7 Color Fade, 9 speed levels
PAX	Auto run, 9 speed levels

D. Dimension Drawing



Outdoor/IP65



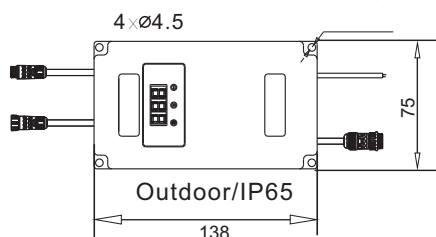
Indoor/IP20

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E. Installation

Fix the brackets via M4 bolt,the installation mounting(4 installation holes). Size as below:



F.Connection

F-1 Input & Output terminal/IP65

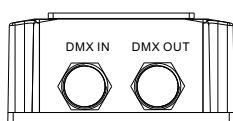


Diagram of DMX512 input & output connection

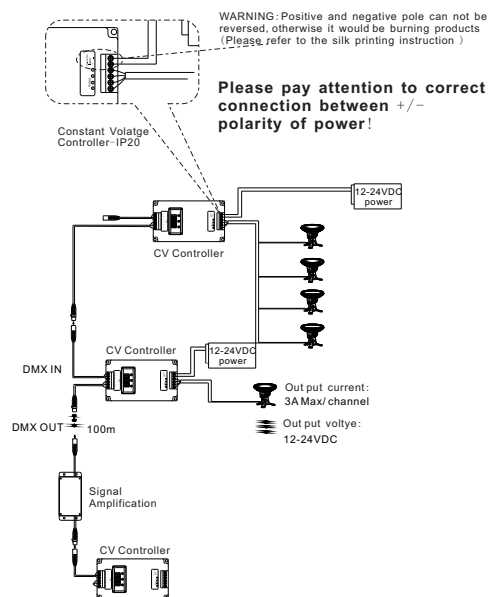
DMX connection:
DMX model & independent mode available

Signals connected	PINS
Public	3
Signal +	2
Signal -	1
DMX512 IN	

Signals connected	PINS
Public	3
Signal +	2
Signal -	1
DMX512 OUT	

(Pins diagram for IP68 connector)

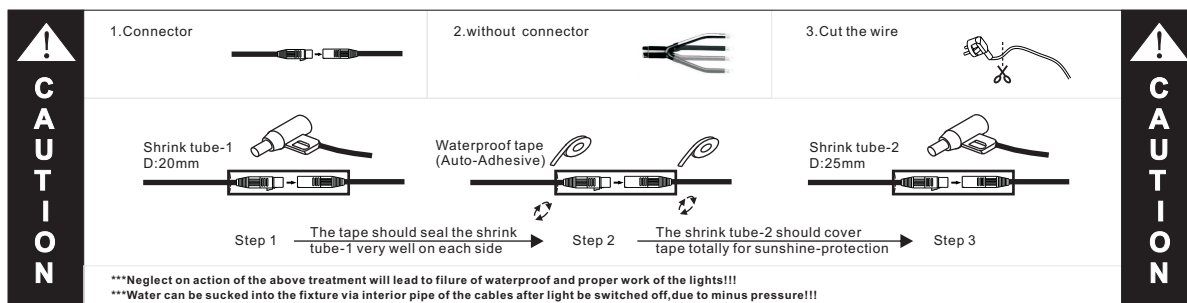
F-2 Diagram of system connection



(For IP20/IP65)

G . Waterproof treatment:(For outdoor type)

The signal output connector XLR-3 of the last fixture of each series must be sealed with a 20mm thermal shrinking tube(-1),blow and shrink it with a hair driers;thence wrapped with waterproof tape (auto-adhesive,please refer to below instruction for operation) on both side;Blow the second 25mm shrink tube(-2) at last so as to protect waterproof tape under sunshine and guarantee the waterproof validity.



Note: The above instruction are subject to update or improved without notice.Pls turn to our staff for further details !
Thanks for your long term support !