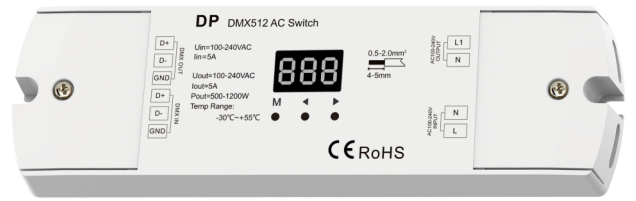


# DMX512 AC Switch

- DMX512 decodes AC on/off for lighting systems that do not require dimming.
- One channel output, AC input and AC output, only one DMX512 address.
- Comply with the DMX512 standard protocols.
- Digital numeric display, set DMX decode start address by buttons.
- RDM function can realize intercommunication between DMX master and decoder.  
For example, DMX decoder address can be set by DMX master console.
- Stand-alone manual on/off mode selectable,  
which be controlled by buttons, instead of DMX signal.

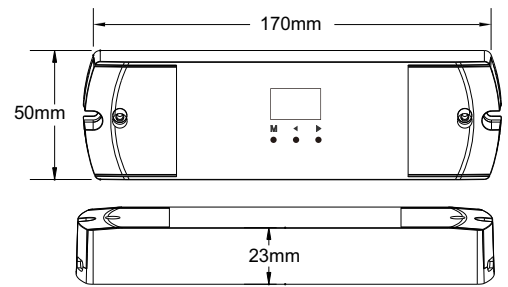
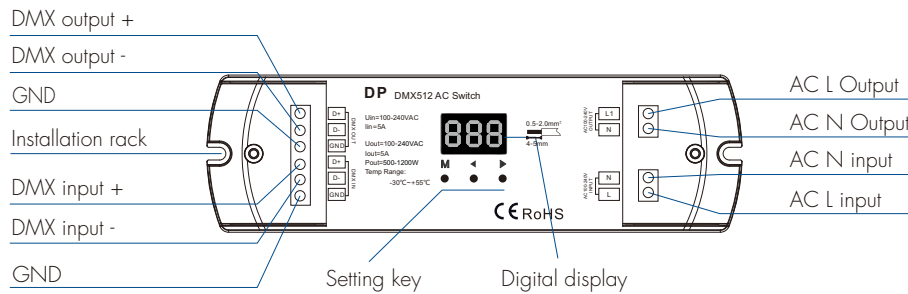


CE RoHS emc LVD

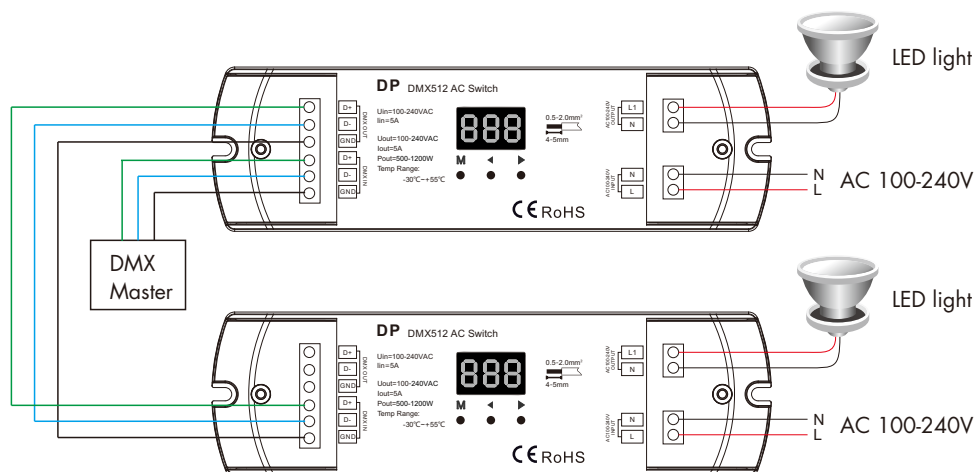
## Technical Parameters

Input and Output		Environment		Safety and EMC	
Input voltage	AC100-240V	Operation temperature	Ta: -30 °C ~ +55 °C	EMC standard (EMC)	EN IEC 55015:2019+A11:2020 EN 61547:2009 EN IEC 61000-3-2:2019+A11:2021 EN 61000-3-3:2013+A11:2019
Output voltage	AC100-240V	Case temperature (Max.)	Tc: +85 °C	Safety standard(LVD)	EN 61347-1:2015+A1:2021 EN 61347-2-13:2014+A1:2017
Output current	Max 5A	IP rating	IP20	Certification	CE,EMC,LVD
Output power	500-1200W	<b>Package</b>			
<b>Warranty</b>		Size	L175 x W54 x H27mm		
Warranty	5 years	Gross weight	0.135kg		

## Mechanical Structures and Installations



## Wiring Diagram



**Note:**

1. An DMX signal amplifier is needed if more than 32 decoders are connected, or use overlong signal line, signal amplification should not be more than 5 times continuously.
2. If the recoil effect occurs because of longer signal line or bad line quality, please try to connect 0.25W 90-120Ω terminal resistor at the end of each DMX signal line.
3. If output connect with capacitive or inductive load, the maximum output current only up to 5A.  
If output connect with resistive load, the maximum output current may up to 15A.

## Operation

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### System parameter setting

- Long press **M** and ◀ key at the same time for 2s, prepare for setup system parameter: automatic blank screen.
- Short press ◀ or ▶ key to switch enable ("bon") or disable ("boF") automatic blank screen.
- Long press **M** key for 2s or timeout 10s, quit system parameter setting.

### DMX mode

- Short press **M** key, when display 001~512, enter DMX mode.
- Press ◀ or ▶ key to change DMX decode start address (001~512), long press for fast adjustment.
- If there is a DMX signal input, will enter DMX mode automatically.
- DMX control: Each DP DMX decoder occupies 1 DMX address when connected to a DMX console.
  - When DMX data value is <50, power off.
  - When DMX data value is >200, power on.
  - When DMX data value is between 50 and 200, keep the previous on/off status.



DMX mode  
(001~512)

### Stand-alone manual on/off mode

- Enter stand-alone manual on/off mode only when DMX signal is disconnected or lost.
- Short press **M** key, when display "Pon" or "PoF", enter manual on/off mode.
- Press ◀ or ▶ key to change power on or off state.



Power on



Power off

### Restore factory default parameter

- Long press ◀ and ▶ key for 2s, restore factory default parameter, display "RES".
- Factory default parameter: DMX decode mode, DMX decode start address is 1, disable automatic blank screen.