Product Specifications

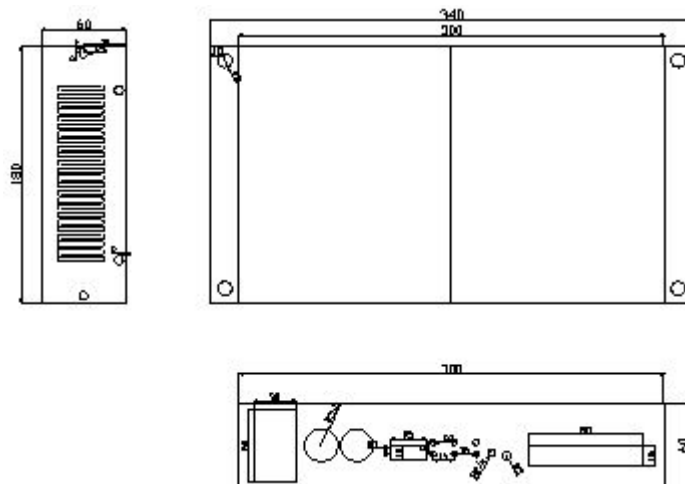**NAME: Integration Controller**
MODEL:LN-DMXCONY

Summarization

　　Integration controller adopts the advanced micro-control unit,it is used for controlling a variety of lamp whose source of light is LED. For instance, point source of light,flexible light strip, wall washer lamp, glass curtain wall light and so on;it has many advantages such as easy connection and simplicity to use. According to the actual need of customers,it can carry out jumpy changing,gradual changing,stroboflash and other effects of change.

Technical parameters

- working temperature: -20-60 ℃
- Input Voltage: AC90 ~ 230V
- output voltage: DC5V, 12V，24V <optional> (order specify the required voltage)
- output: 6 channel
- connection mode: common anode
- external dimensions: L340*W180*H60 mm
- package size: L360*W230*H90 mm
- net weight: 2.42Kg
- gross weight: 2.56Kg
- static power consumption: <1W
- output current: <4A (each channel)
- output power: <300W

External Dimensions

Interface Specifications
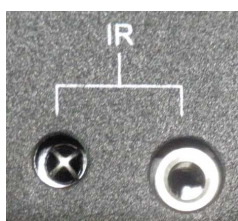
Power input interface:

Adopt 220V power socket as power interface.
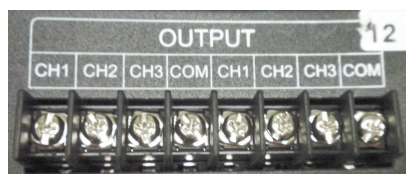
DMX signal interface:

Adopt 3-pin-block as DMX signal interface.

Infrared input interface:

Adopt Mic In Connector of 3-Pin style as infrared input interface.

Load output interface:

Adopt the binding post with spiral as a load output interface.

Direction of Use

1. Connect the signal wire at first, following by the load wire,the last is power wire; Please ensure short circuit can not occur between connecting wire before you turn on the power;

2. There are six buttons on the panel of controller in all, every button function as follows:

ON / OFF: The switch button, you could turn on or off the output of controller at any time;

MODE: mode button, every pressing, the light color changes one time;

B +: to enhance the overall brightness.

B -: to lower the overall brightness.

S +: to increase the rate of change.

S -: to reduce the rate of change.

3. Infrared remote control, a total of 6 buttons,their functions are as the same as functions of the panel, remote control and the button of panel can be used at the same time; Upon receiving the signal, the Signal light of panel   will flashing, infrared receiver adopt the Plug-way, there is a infrared receiver plughole on panel.

4. the standard mode change is as the following form:

No	Modes	Remarks	No	Modes	Remarks
1	Static red	Brightness is adjustbale,speed is unadjustable	7	Static white	Brightness is adjustbale,speed is unadjustable
2	Static blue		8	Three-color jumpy changing	Brightness and speed are adjustable
3	Static purple		9	Seven-color jumpy changing	
4	Static green		10	Three-color gradual changing	Speed is adjustbale,brightbess is unadjustable
5	Static yellow		11	Seven-color gradual changing	
6	Static cyan				

5.DMX control, when integrated controller connect with DMX digital console,panel buttons and infrared remote are invalid, they are controlled completely by DMX digital console,DMX controller occupied three DMX channels, the channel that DMX address code of the integration controller Corresponded is red(R), the address of the code +1 channel for the green (G), the address of the code +2 channel for the blue (B).
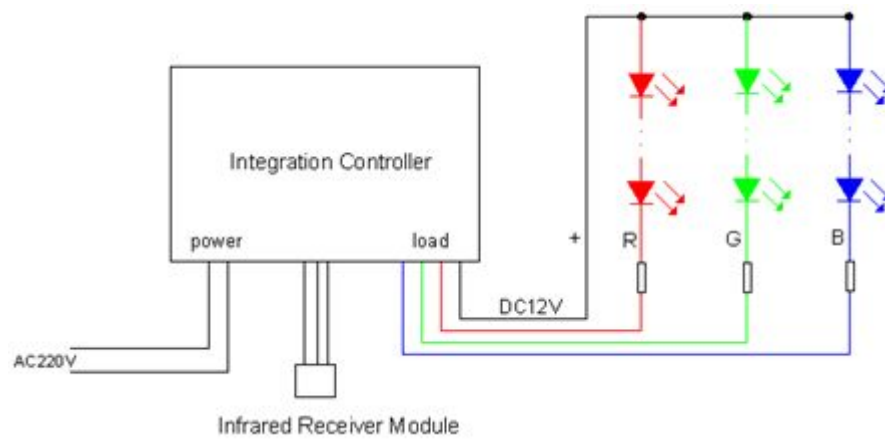
For example: The address of the code is 1, CH1 control the red (R), CH2 control the green (G), CH3 control the blue (B), DMX channel value (from 0 to 255) greater the output load,the greater DMX channel's value(from 0 to 255) is, the higher brightness is, it can achieve 256 gray scale Arbitrary modulation for light mixing.

When the integration controller break away from the DMX control console, also return to their original state, panel buttons and infrared remote controller can be used again.

DMX address code of the factory default is "1", address can be setted by DMX address code editor of our company,you need an additional purchase for DMX address code editor if you required.

Typical Applications

typical application 1(without DMX function):

Integration Controller

power   load

AC220V

DC12V

+   R   G   B

Infrared Receiver Module

typical 2 (with DMX function):

Integration Controller

power in out   IR   load

AC220V   IRM

3-sheath signal wire

DMX signal

DMX digtial console