

Parameters

Electrical Parameters:	
Program name	RGBW 4 fold driver(V1.0)
Model No.	M/DRGBW4.1
Communication	TP1
Bus interface	KNX/EIB
Bus Working voltage	DC21-30V
Bus power Consumption	<10mA/DC30V
Output type	Constant voltage PWM output
Output channel	R, G, B,W 4channels
Output current	7A/CH (total 28A)
LED type	Common anode RGBW LED strip or single LED
Input power (for LED)	12~60VDC
Environmental Conditions	
Working temperature	-10°C~45°C
Working Relative Humidity	Up to 90%
Storage Temperature	-20°C~+60°C
Storage Relative Humidity	Up to 93%
Approved:	
CE, RoHS	
KNX	
Product Information:	
Dimensions	183×84×39 (mm)
Weight	212g
Housing material	ABS , PC , ALU
Installation	Screw fixation
Protection degree	IP2.0

Important Notes

- **Special Programming** – This device is designed for professional KNX installation. It can only be programmed by ETS software.
- **Cable Connections** – Do not get wrong connection for Black and Red wires.
- **Mounting Location** – Screw fixation.
- **Bus Working Voltage** - The input of Bus voltage must be between 21-30VDC.
- **LED:** Common anode RGBW LED.
- Maximum to 10A if only use one channel.

Overview



M/DRGBW4.1, RGBW 4 fold driver, each channel can be used separately, or used for RGBW composite control.

It is inherently safe and reliable, PWM liner dimming brings users unparalleled illumination, as does the 1 bit, 1 byte, and 3 byte state feedback, with a built-in staircase lighting, flasher, logic control, threshold switching, sequence control, and RGBW composite control switching, it is as flexible as it needs to be.

Functions

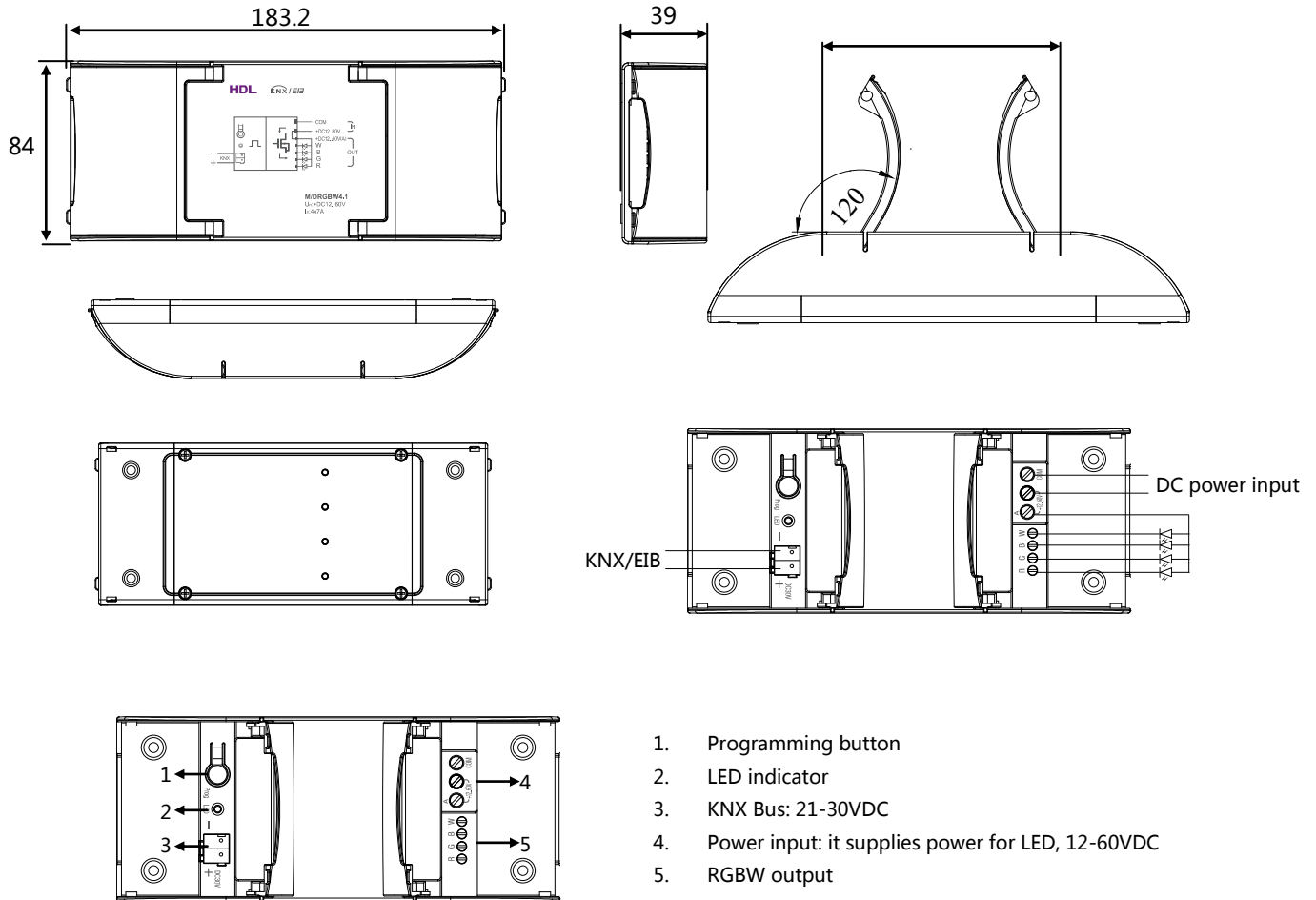
- Dimming function: relative dimming and absolute dimming
- Sequence, total 5 sequences. Each sequence has 24steps.
- Staircase light
- Flashing light
- Scene, it supports total 50 scenes.
- Logic
- Threshold
- Custom on/off *
- Color selection *
- Short circuit protection
- DC input power positive and negative protection, the device will not destroy even positive and negative reversed.

* Only for combination RGBW channel.

Installation Steps

- Make sure the Bus cable type is correct and has no circuit short
- Connect LED.
- Connect power input.

Layout and Wiring



Safety Precautions

- The screw down torque should not exceed 0.4 Nm.
- Ensure that the KNX Bus interface is correctly connected to the module.
- Do not get AC220V voltage into Bus wire , it will damage all of devices in system.
- Never let liquids get into the module, it will damage this device.