

## EU-BUS Controllers Series



Nowadays, Phase-cut is still a common dimming type. In the past, phase-cut dimming was mainly for traditional lighting fixtures, like incandescent lightings etc.. So it has compatibility issues for dimming LED lighting fixtures, such as narrow dimming range, flickering and even failing to dim. To solve these problems, Euchips developed the Leading edge load controllers and Trailing edge load controllers.

Under the background of advocating energy conservation and emissions reduction, more and more equipments are required to enhance the intelligent management of energy consumption. The intelligent on-off load controller is an important part of the system. It can control power on and off of equipments, which makes it more convenient for centralized control and intelligent management.

# EU-BUS Controllers Series

## EU-BUS Dimming System Solution



### EUR0820

#### Relay Switch Controller

#### Features

- ▶ Meets DMX512(1990)/RDM and DALI IEC62386 protocol
- ▶ Feed-through power circuit design
- ▶ Output relay controlled 8 channel, max current of each channel is 20A
- ▶ Standard 35 mm din rail, convenient installation
- ▶ There is an emergency button for each channel to switch on or off the channel



#### Parameter

Input voltage	100-240VAC 50/60Hz
Input control signal	DMX512(1990)/RDM , DALI IEC62386 , EU-BUS
Max output current	20A*8Ch
G.W.(g)	1050g
Equipment size	222.5*93.4*63.2mm(L*W*H),standard 35mm din rail

# EU-BUS Controllers Series

### EUT0802

#### Leading Edge Controller

#### Features

- ▶ Meets DMX512(1990)/RDM,DALI IEC62386 protocol
- ▶ With OLED display and manual button, the user can operate more conveniently
- ▶ Output 8 channel phase cut or switch signal, max current of each channel is 2A
- ▶ 6.3A fuse delay protection for each 2 outputs
- ▶ Output 12VDC, supply for control system
- ▶ Set fade time of each channel separately, range of 0.1-10s
- ▶ Standard 35 mm din rail, convenient installation
- ▶ Can save up to 8 events
- ▶ suitable for use with TRIAC dimming driver, incandescent, low voltage, neon and selected fluorescent fixtures.



#### Parameter

Input voltage	100-240VAC 50/60Hz
Input control signal	DMX512(1990)/RDM , DALI IEC62386 , EU-BUS
Max output current	2A*8Ch
G.W.(g)	1050g
Equipment size	222.5*93.4*63.2mm(L*W*H),standard 35mm din rail

### EUMA0405

#### Phase Cut & 0-10V Dimming Controller

#### Features

- ▶ Meets DMX512(1990)/RDM and DALI IEC62386 protocol
- ▶ Output phase cut dimming signal and their synchronous DC 0-10V dimming signal
- ▶ phase cut dimming controller can work as leading edge (LPC) mode, trailing edge(TPC) mode or switch mode
- ▶ Built-in OLED, the user can operate more conveniently
- ▶ Set fades time of each channel separately, range of 0.1-10s
- ▶ Standard 35 mm din rail, convenient installation
- ▶ Each circuit is equipped with emergency switch that control full brightness (100%) output function



#### Parameter

Input voltage	100-240VAC
Input control signal	DMX512(1990)/RDM , DALI IEC62386 , EU-BUS
Maximum output current of phase cut	5A*4Ch(AC MOSFET, please take 5A*PF as output current limit for each circuit )
Maximum output signal current	20mA*4Ch(for DC0-10V )
Maximum inrush current limit per channel	100A
G.W.(g)	975g
Equipment size	222.5*93.4*63.2mm(L*W*H),standard 35mm dinrail

# EU-BUS Controllers Series

## EUR0420

Relay Switch Controller

### Features

- ▶ Meets DMX512(1990)/RDM,DALI IEC62386 protocol and EU-BUS protocol developed by EUCHIPS
- ▶ Output 4 channel relay switch signal and their synchronous DC 0-10V control signal
- ▶ Built-in OLED, the user can operate more conveniently
- ▶ Set fades time of each channel separately, range of 0.1-60.9s
- ▶ Standard 35 mm din rail, convenient installation
- ▶ Relay switch channel can be turned on and off manually
- ▶ Can save up to 8 events
- ▶ Suitable for intelligent lighting control - Home Furnishing, office buildings, schools, stadiums, outdoor architecture etc.



### Parameter

Input voltage	100-240VAC 50/60Hz
Input control signal	DMX512(1990)/RDM,DALI,and EU-BUS signal
Max output current	20A*4Ch
G.W.(g)	580g
Equipment size	167*93.4*63.2mm(L*W*H),standard 35mm din rail



## EUR1220

Relay Switch Controller Summary

### Features

- ▶ Meets DMX512(1990)/RDM,DALI IEC62386 protocol and EU-BUS protocol developed by EUCHIPS
- ▶ Output 12 channel relay switch signal
- ▶ Built-in OLED, the user can operate more conveniently
- ▶ Set fades time of each channel separately, range of 0.1-60.9s
- ▶ Standard 35 mm din rail, convenient installation
- ▶ Relay switch channel can be turned on or off manually
- ▶ Can save up to 8 events
- ▶ Suitable for intelligent lighting control - Home Furnishing, office buildings, schools, stadiums, outdoor architecture etc.



### Parameter

Input voltage	100-240VAC 50/60Hz
Input control signal	DMX512(1990)/RDM, DALI IEC62386,EU-BUS signal
Max output current	20A*12Ch
G.W.(g)	1100g
Equipment size	295.5*93.4*63.2mm(L*W*H),standard 35mm din rail



# EU-BUS Controllers Series

## EUCT01

Network time clock

### Features

- ▶ Comply with DALI IEC62386 protocol and EU-BUS protocol developed by EUCHIPS
- ▶ Built-in OLED, the user can operate more conveniently
- ▶ In EU-BUS mode, the user can update firmware remotely via EU-BUS interface
- ▶ Can save up to 64 events
- ▶ Can define the trigger time and task for all event convenient and flexible
- ▶ Supplied via EU-BUS bus, without external power supply
- ▶ The standard 35mm din rail, convenient installation



### Parameter

Power supply	Power supply via EU-BUS bus
Protocol	EU-BUS
Maximum Events	64
Default Events	16
Dimension	76*93.4*63.2mm (L*W*H)
G.W.	250g

## EUK06

Programmable Contact Access Module

### Features

- ▶ Comply with EU-BUS protocol developed by EUCHIPS
- ▶ Can connect to 6 dry contact signal
- ▶ Can connect 6 LED lights as key backlight
- ▶ Easy to edit the function for each port
- ▶ Supplied via EU-BUS bus, without external power supply
- ▶ Compact, easy to install into the electrical box



### Parameter

Power supply	Supplied via EU-BUS bus
Protocol	EU-BUS
The number of dry contact signal	6
The number of external backlight	6
Dimension	44*46*14mm (L*W*H)
G.W.	20g