

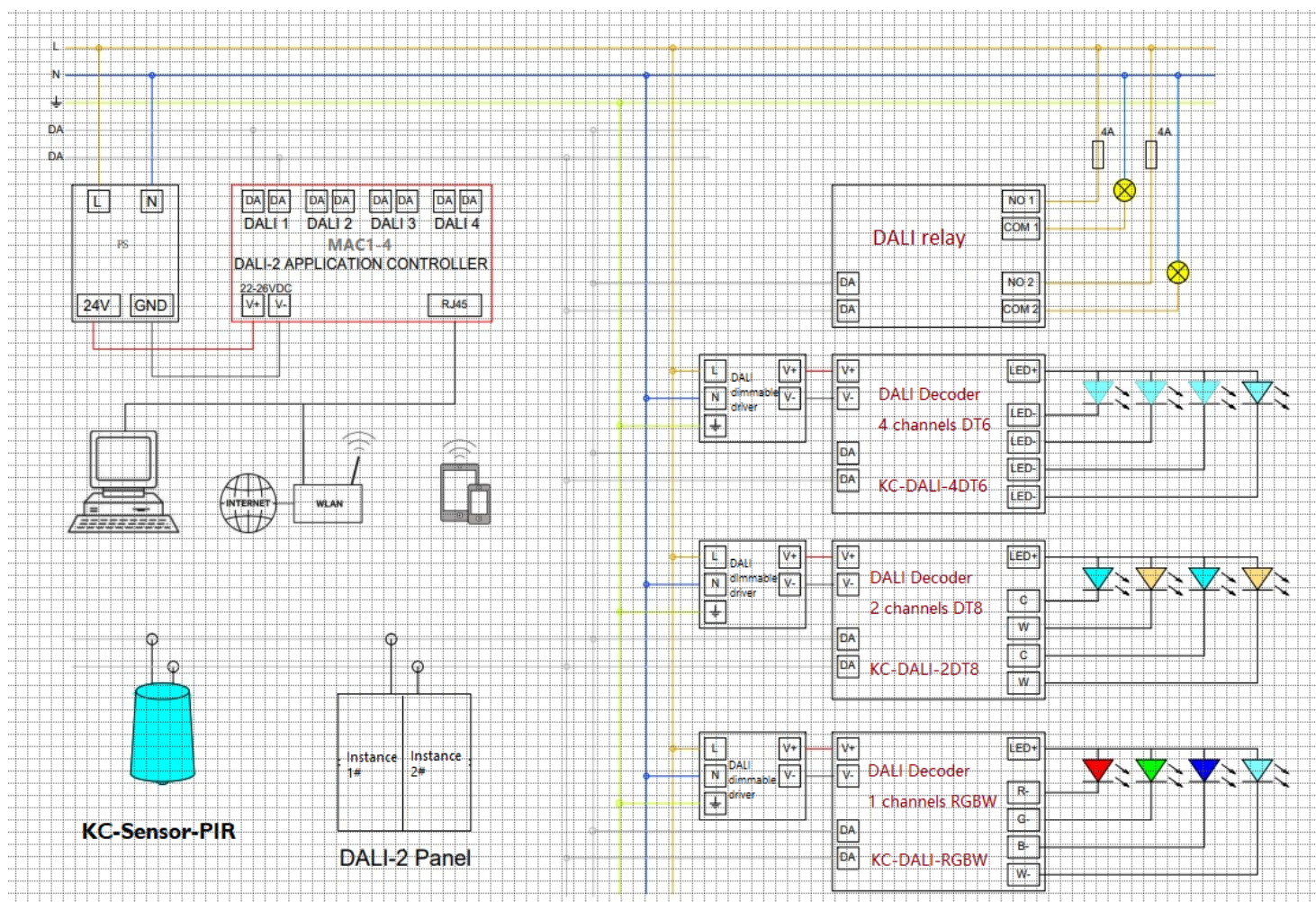
1-4MAC DALI-2 application controller

Feature

- ◇ Multi-Master DALI-2 application controller, support for event messages from input devices
- ◇ The MAC1-4 feature 1, 2, or 4 independent DALI line, cross DALI line control on each MAC1-4
- ◇ Up to 64 DALI-2 based luminaries per DALI line can be controlled individually or via 16 groups. In addition up to 64 DALI-2 input devices are supported per DALI line.
- ◇ Independent lighting control for up to 32 zones on each MAC1-4, up to 16 scenes and 16 schedules on each zone.
- ◇ Linkage lighting control for up to 8 MAC1-4 which link with ethernet, zones maybe control gears cross MAC1-4
- ◇ Built-in DALI power supply with guaranteed supply current of 230 mA.
- ◇ 10/100 TCP/IP Ethernet, DHCP supported.
- ◇ RS485 interface (depending on the license) could be config as MODBUS master or slave.
- ◇ Simple setup via APP.
- ◇ 3 years limited guarantee.+



Wiring

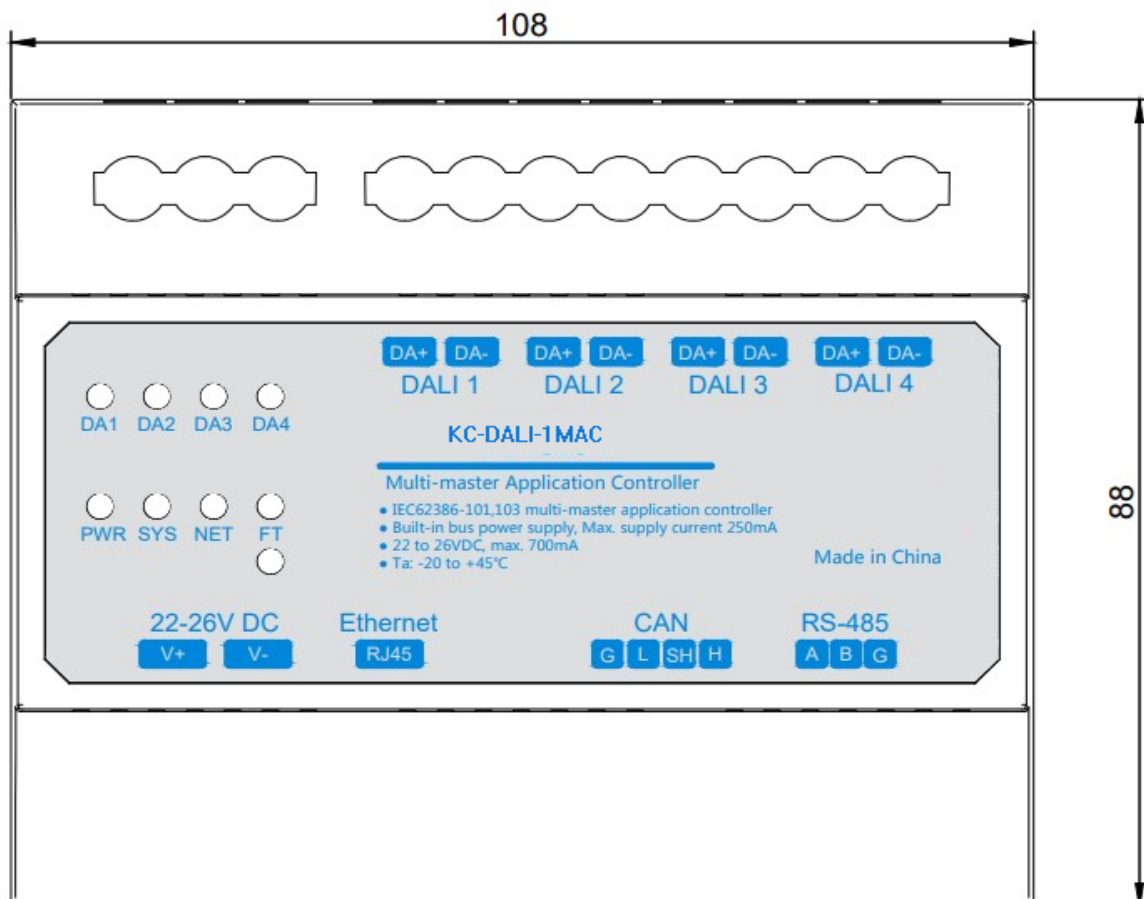


1-4MAC DALI-2 application controller

Specifications

Type	KC-DALI-1MAC	KC-DALI-2MAC	KC-DALI-4MAC
DALI	IEC62386-101:2018, IEC62386-102:2018, IEC62386-103:2018		
DALI lines	1	2	4
DALI power supply	Power supply with guaranteed supply current of 230 mA		
DALI group	16 groups per DALI line		
Zones	16	32	32
Scenes	16 per zone		
Schedules	16 per zone, support Day and Week modes.		
Ethernet interface	10/100M Base-T, DHCP supported.		
RS485	MODBUS-RTU master or slave supported.		
Power	22~26VDC, max. 500mA		22~26VDC, max. 700mA
Mounting	DIN rail mounting, 35 mm		
Dimensions	108(L)X88(W)X65(H)mm		
Operating conditions	-20℃~45℃, 10~90 % RH, noncondensing, degree of protection: IP40, IP20 (terminals)		
Storage conditions	-40℃~55℃, 10~90 % RH, noncondensing		

Dimensions



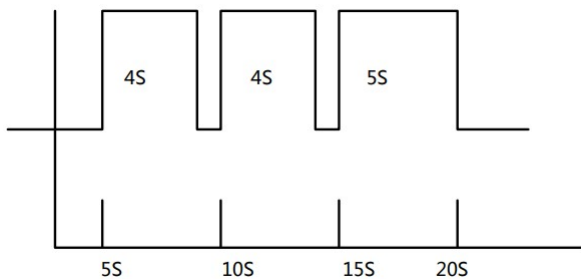
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Device LED

LED	Description
PWR	Green after power on, Off when no main power.
SYS	Green when Fault-free operation Red: invalid license, Serious internal error
NET	Green, flashing on/off every 0.5 s : IP assigning by DHCP Green: Fault-free operation, DHCP mode
	Yellow: Fault-free operation, STATIC IP mode
	Red, unplug cable or ethernet unavailable
DALI X	Red: DALI line short-circuited, or system failure with external DALI PS
	Green: Fault-free operation with built-in DALI PS
	Yellow: Fault-free operation with external DALI PS
	Green or yellow, intermittently flickering: assigning short address

Function Key

After pressing the FT button, the following functions will be triggered when released as shown in the figure below



Release phase	Function
5 ~ 9s (FT LED yellow flickering)	Reset the IP mode to DHCP
10 ~ 14s (FT LED blue flickering)	Disable or enable built-in DALI PS
15 ~ 20s (FT LED red flickering)	Reset administrator password
other (FT LED green)	No actions

Safety instructions

- ◆ The MAC13x may only be used for the specified area of application, relevant health and safety regulations must be observed.
- ◆ The power supply must be disconnected when the device is being assembled and installed.
- ◆ Only qualified personnel may assemble, install and commission the device.
- ◆ DALI signals are not SELV. Therefore the same procedures should be applied as working with mains voltage!
- ◆ The power supply is 24±2V DC, other main supply could damage the device.
- ◆ DALI interface in MAC13x do not support overvoltage protection, other signal or voltage must not connect to DALI interface, Otherwise maybe damage the MAC13x.