FTPC75-ZIGBEE-CB series
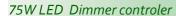
75W LED Dimmer controler

■**Features:**

• Zigbee wireless communication protocol

• Compatible with ZHA1.2 international standard

• Brightness adjustment from 1-100%

• Works with constatnt voltage 12-24V LED drivers

• Open circuit / short circuit

⊚*ELECTRICAL SPECIFICATION*

MODEL	FTPC75-ZIGBEE-CB
OUTPUT	
Rated Voltage	12-24V
Max. Current	6.25A Each socket 2.5A max.
Rated Power	150W
Output signal	PWM (1kHz)
INPUT	
Input mode	Zigbee Wireless brightness adjustment
Input voltage	12-24V
Input power	150W
PROTECTIONS	
Over Current	Range: 110 ÷ 150%
	Type: hiccup mode. Recovers automatically after fault condition is removed.
Short Circuit	Type: hiccup mode. Recovers automatically after fault condition is removed.
WORKING ENVIRONMENT	
Working Temperature	-40°C ÷ +50°C
Working Humidity	15 ÷ 95% RH non-condensing
Storage Temperature and Humidity	-40°C ÷ +80°C, 10 ÷ 95% RH non-condensing
Waterprooffing grade	IP 20
SAFETY AND EMC REGULATIONS	
Safety Standards	Compliance to EN61347-1, EN61347-2-13
DALI Standard	Compliance to IEC 62386-101, 102, 207

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Dimming

Zigbee protocol	Zigbee Home automation 1.2	
Function	ON/OFF	ON:0% to memory status brightness gradient
	Brightness adjustment	1%-100% brightness adjustment
	Memory of the status	After joining the network,power on and restore the status before outage again
	OTA function	Suitable to Zigbee protocol OTA standard
Factory Settings	Turn on,100% brightness	Default unnetworked status,serching the gateway when power on
Non network State	power on but unnetworked, the indicate bulb is flashing	3 times ,one second on light(100% brightness),one second turn off
Join the network indication	Breathing light	100% brightness to 10% gradually, to 100% again,repeated 3 times,keeping 100% brightness finally.
Exit the network indication	Bulb flashing showing exit the network succesfully	3times,one second brightness (100%brightness),one second off
Restore the factory settings	Repeat the status for bulb power on and off	Power on and off 5 times,repeat 5 times,when successful, the bulb begin the indication of exit network
	reset Factory new instruction	The gateway sends Factory new instruction and exit network instruction,when successful,the bulb indicates to exit network

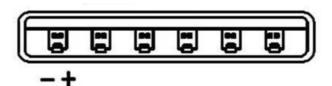***When OFF status, the bulb power on and bright, restore the last memorial brightness***

Other

EAN Code

5 902135 133859

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μF i 47μF parallel capacitor.
3. Tolerance includes set up tolerance, line regulation and load regulation.
4. Setup and rise time is measured from 0 to 90% rated output voltage.
5.Power supply is considered as component not indented to apply by end-user. Power supply meets safety and EMC standards however the final equipment with power supply must be re-quality to comply with EMC Directives.

◎ MECHANICAL SPECIFICATION

FTPC75-ZIGBEE-CB

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