

Lighting controller
Output Wattage: 600W Max.
Universal Voltage (120-277VAC)
0-10V Dimming

1/2" Knockout Mount
IP66
Color Control
Power Metering

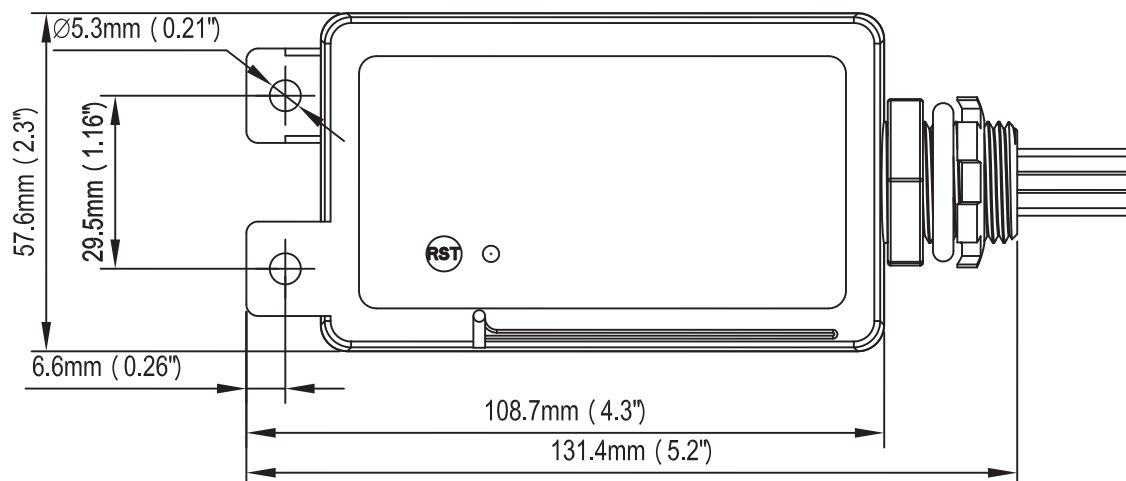
A compact Bluetooth mesh 0-10V controller that allows ease of installation for standard electrical junction boxes or fixtures using a 1/2" knockout. Gives the installer the flexibility to control varies fixtures that have 0-10V capabilities without having to run any additional control wires. Provides On / Off, Dimming, Color Control and Power Metering functions over Bluetooth mesh.

General Specification

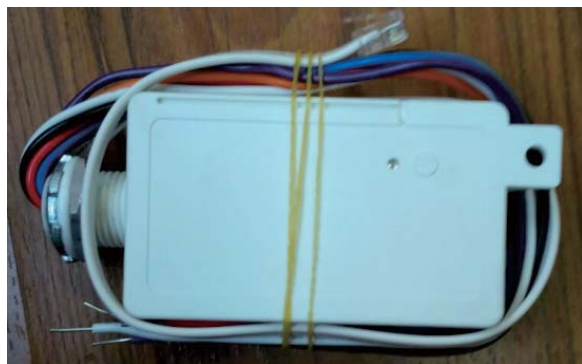
Input Voltage	120-277VAC, 50/60 Hz
Input Current	5A Max.
Input Power	600W Max
Standby Power	<1W
Maximum Load	Max 600W@120~277VAC
	Input Power (Line Voltage Input): BLACK (L), WHITE (N)
	Load Power (Line Voltage Output): RED/BLACK (L1), WHITE (N)
Input/Output Wires	0-10V Output Control: PURPLE (+), GREY (-)
	0-10V Output Control: ORANGE (+), BLUE (-)
	Sensor Input: RJ12 Cable
Output Control Type	SELV, CLASS 2 (0-10V)
RFI/EMI	FCC PART 15B CONSUMER
Potting / Degree of Fill	Yes / Full
Sound Rating	A
Dimming Controller Type	Bluetooth mesh (SIG Compliant)
0-10VDC Type / Channels	Current Sink - TBD mA, Current Source - TBD mA / Two Channel 0-10V Output
RF Communication Type	2.4GHz Bluetooth Mesh
Transmission Range	160ft. (50m)
Protections	Input Current Protection
	Output Short Circuit Protection
	Output Open Circuit Protection
	Overload Protection
Mounting Type	Standard Electrical Junction Box or Fixture with 1/2" Knockout
Ambient Operating Temperature Range	-40°C to 60°C (-40°F to 140°F)
Input Surge Protection	Line-Nuetral 6kv
Service Life	50,000 hours @Ta 60°C (140°F)
Approvals / Class	RoHS, Type HL, UL, IP66
Warranty	5 years

Mechanical Data

Tolerance = ±0.02" [0.5mm]

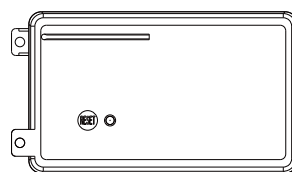


Fulham extends a limited warranty to the original purchaser or first user for a period of 5 years from the date of manufacture when installed and operated under normal conditions of use. The usage of appropriate series connected Surge Protection Device (SPD) is required in high risk applications. For complete terms and conditions, please refer to the Warranty Center at www.fulham.com. Specifications subject to change without notice.



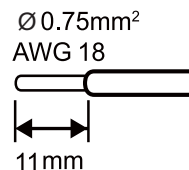
NOTE: This controller has two mounting holes, one on each side. Secure using one of the two holes or directly install into an electrical compartment equipped with a 1/2" knock out (1/2"-14NPSM)

A Mounting the controller



WIRES	LENGTH
RED/BLACK	12.4" [315mm]
BLACK	12.4" [315mm]
WHITE	12.4" [315mm]
ORANGE	12.4" [315mm]
BLUE	12.4" [315mm]
PURPLE	12.4" [315mm]
GREY	12.4" [315mm]
RJ12	17.3" [440mm]

RED/BLK	L1(output)
BLK	L(input)
WHI	N(common)
ORN	0-10V Color Control Wires
BLU	0-10V Dimming Control Wires
PUR	0-10V Dimming Control Wires
GRY	0-10V Dimming Control Wires
I ² C	RJ12 cable



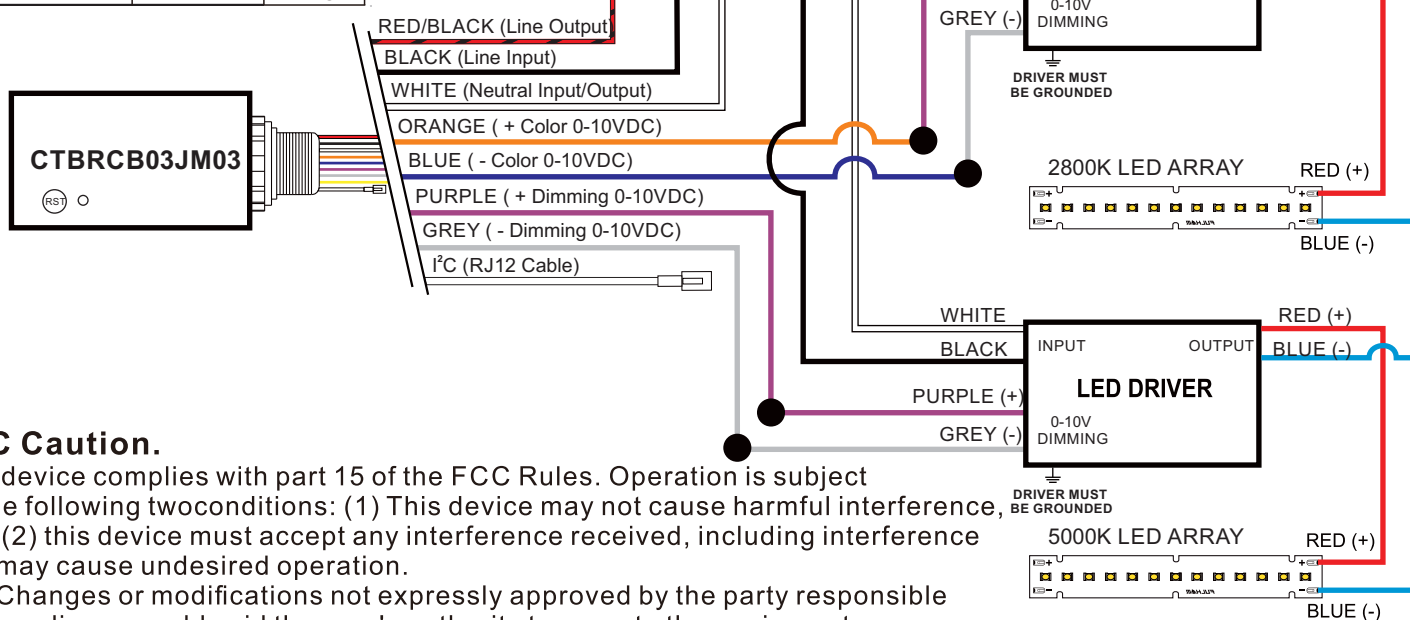
Wiring Diagram

LINE HOT(100V ~ 277V)
NEUTRAL

NOTE: All outgoing lines cannot exert, and must be installed by electrical conduits.

Specifications of the electrical conduits as below:

external diameter	THICKNESS	MATERIAL
16mm	1.2mm	PVC



FCC Caution.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

B Making the wire connections

Fulham Head Quarters:
Fulham Co., Inc
12705 South Van Ness Ave.
Hawthorne, CA 90250
Local: (323) 779-2980, Fax: (323) 754-9060

Manufacturer:
North China
Fulham Electronic Co. Ltd.
No. 9 Xingchang Road, Nanshao Zhen Changping Science Park, Beijing, P.R. China

SAVE THESE INSTRUCTIONS

Fulham extends a limited warranty to the original purchaser or first user for a period of 5 years from the date of manufacture when properly operated under normal conditions of use. The usage of appropriate series connected Surge Protection Device (SPD) is required in high risk applications. For complete terms and conditions, please refer to the Warranty Center at www.fulham.com. Specifications subject to change without notice.

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Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.