



BITRO Dimming System

BT-SDC

LED Dimming Module Series



overview

Bitro BT-SDC Smart Dimming Controller is Bitro's practical dimming solution to control constant voltage Class 2 LED lighting module arrays in general lighting and signage lighting applications.

BT-SDC is stable, efficient, and simple. BT-SDC is equipped with a rotary knob to easily control the duty cycles of the light modules via synchronized 0-10V signal. BT-SDC can be configured in 3 different ways to flexibly control the dimming applications ranging from simple standalone systems to large applications.

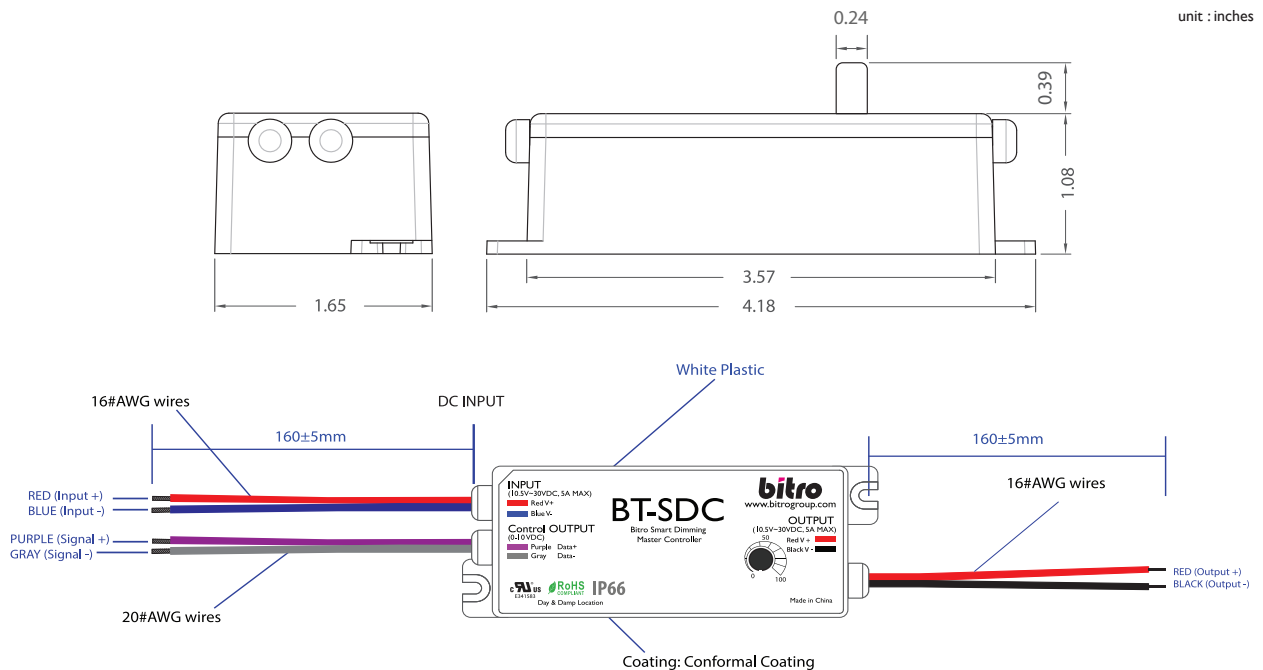
In a multi power supply applications that needs to have one point of synchronized control point, BT-SDC can function as a master controller while multiples of BT-SDM (Bitro Smart Dimming Module) function as slave controllers.

BT-SDC can be installed in dry and damp locations, and is backed by Bitro's 5 Year Warranty.

features

- Controls brightness of constant voltage LED module arrays in simple configurations.
- Extremely Efficient (99%+).
- Allows smooth and wide dimming range.
- Housed in weather-proof case for dry and damp locations.
- Backed by 5-year warranty.

models & dimension



layout service

Please email estimate@bitrogroup.com with drawings for prompt layout services.

contact bitro

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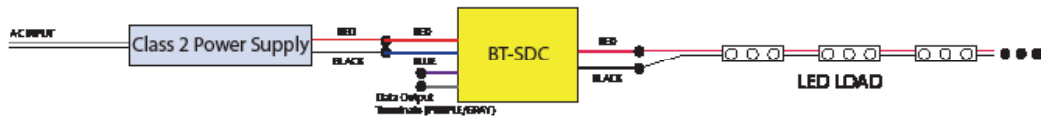


specifications

MODEL	Family	BT-SDC Smart Dimming System	INPUT	Input Voltage Range	10.5V ~30V DC input
	Model	BT-SDC		Input Current	5 A max
OUTPUT	Output Voltage Range	10.5V ~30V DC	OTHERS	MTBF	>500K hours, MIL-HDBK217E at 25 degrees C ambient.
	Output Current	0 - 100%		Dimensions	4.18"L(106mm) x 1.65"W(42mm) x 1.47"H(37mm)
	Output Control Voltage	150W		Wire Size	Input & output power: 18 AWG 6", control output: 22 AWG 6"
ENVIRONMENT	Operating Temperature	-20 to +80 C ambient at full load.			
	Operating Humidity	5% to 100%, non-condensing			
	Protection Rating	IP66			
	Storage Temperature / Humidity	-40 to +85 C, 0% to 95%RH			
SAFETY	Safety Standard	Designed and built to meet UL Supplies, Terminate unused wires			
	Safety Recommendations	Use with class 2 Power Supplies. Terminate unused wires			

wiring diagram

SCENARIO 1: STANDALONE for 1 Power Supply



SCENARIO 2: Multi Power Supply Configuration BT-SDM w/ Remote BT-SDC Location

