EPIC'S ADVANCED RS232 LED CONTROLLER
THE MOST POWERFUL IN THE MARKET TODAY

The EP-RS232-ADV LED Controller is a highly professional and intelligent system to control common anode LED lighting or incadescent light bulbs via 2-way RS232 serial commands. The EP-RS232-ADV provides 4 high current channel to create light scenes. The controller can also operate in a standalone mode which includes pre-programmed light sequences. This LED controller is ideal used for flexible ThinGlow™ LED strips. The EP-RS232-PRO LED Controller also operate independantly or integrated into a whole-house control system.

KEY FEATURES

- 4 high current channels with independent control - The highest in the industry. RGB+White.
- Suitable for common anode RGB LED strips, LEDs and incandescent bulbs.
- Standalone mode with 8 preprogrammed light sequences.
- Custom user-editable sequence via RS232.
- Wide-range effect speed adjust.
- Wide-range of external input acessoroes such IPAD, relays, and wireless transmitter.
- Complete lists of color and scene serial commands to save programming time.
- Memory for last selected sequence and user-editable sequence.
- Serial TTL interface to control from your microcontroller or PC - interface sold seperately.
- Addressable. Multiple modules can be connected with independent control for each module.
- Small form factor (Al sending sizes).
- PWM of 480 Hz to deliver smooth dimming and a wide range of color spectrum of LED light fixtures.
- Override memory feature that allows last program to continue even in an event whereby the RS232 is disrupted for any reason.
- Reverse polarity protection.
- Work independantly or integrated into a whole-house control system.
- Proprietary power conditioning design to work with magnetic transformers.

EPIC™ RS232 SERIAL CONTROLLER

BEYOND THE LIMITS!

SPECIFICATIONS

Power Requirement	External power supply - (power supply sold seperately)
Operating Voltage:	Input: 8-24V DC
	Output: 8-24V DC (depends on input)
Channel Current:	10Amp@12V DC Per Channel
	20A@24V DC Per Channel
LED intensity control:	255 intensity levels/channel
Communication Interface:	Serial RS232 and serial TTL interface,
	9600 baud, 8 data bits, 1 stop bit, no
	parity, no handshaking, and no flow control
Dimension:	4" x 6.75" x 1.75" in
Weight:	3.5 lbs

CONTROL & INDICATORS

Net ID:	DIP switches
Power:	Blue LED on logo, indicates when power is applied
RGB Speed:	Blue LED on logo, indicates color changing speed
R-G-B output:	RGB LED on board
White Output:	White LED on board

ENCLOSURE

Black anodized aluminum with laser engraving
Logo - optical grade acrylic with LEDs

CONNECTORS

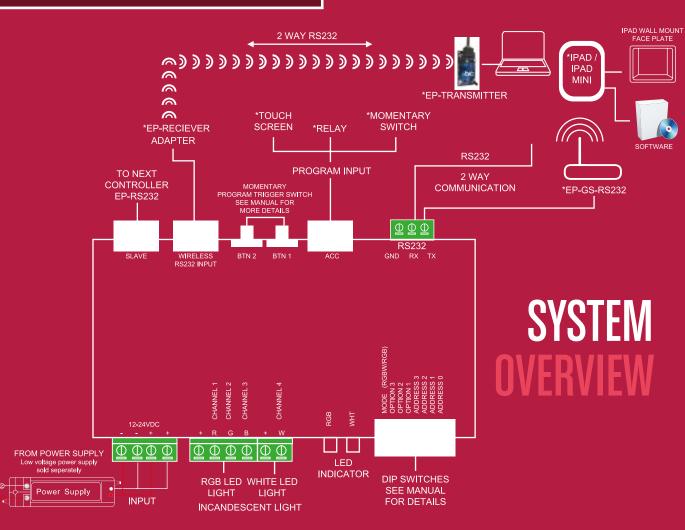Screw terminal up to 10Awg conductor diameter.

RECCOMMENDED WIRING

18 Awg	up to 5 Amp total
16 Awg	up to 10 Amp total
12 Awg	up to 20 Amp total
10 Awg	up to 40 Amp total

VARIETY OF SCENES

MODE:	COMMAND:	COLORS:
SUNSET	SUNSET	AMBER, GOLD, & RGB WHITE
TRANQUILITY	OCEAN	BLUE, LIGHT BLUE, & LIGHT GREEN
MORNING SKY	SKYLIGHT	BLUE AND RGB WHITE
ROMANCE	LOVE	RED AND PINK
ROYAL	ROYAL	PINK AND VIOLET
RAINBOW	RAINBOW	ALL - SLOW
MARDI GRAS	PARTY	ALL - MEDIUM
COOL CABARET	DISCO	ALL - FAST
USA	USA	BLUE, RED, AND WHITE
TWILIGHT	TWILIGHT	VIOLET AND BLUE

EP-RS232-ADV
LED CONTROLLER

SYSTEM
OVERVIEW

2 WAY RS232

*EP-TRANSMITTER

IPAD WALL MOUNT FACE PLATE

*IPAD / IPAD MINI

SOFTWARE

*EP-RECIEVER ADAPTER

*TOUCH SCREEN   *RELAY   *MOMENTARY SWITCH

PROGRAM INPUT

RS232
2 WAY COMMUNICATION

*EP-GS-RS232

TO NEXT CONTROLLER EP-RS232

MOMENTARY PROGRAM TRIGGER SWITCH SEE MANUAL FOR MORE DETAILS

SLAVE   WIRELESS RS232 INPUT   BTN 2   BTN 1   ACC   RS232 GND RX TX

FROM POWER SUPPLY
Low voltage power supply sold seperately

Power Supply

12-24VDC
- - + +

CHANNEL 1 CHANNEL 2 CHANNEL 3 CHANNEL 4
+ R G B + W

INPUT

RGB LED LIGHT   WHITE LED LIGHT

INCANDESCENT LIGHT

RGB   WHT

LED INDICATOR

MODE (RGBW/RGB) OPTION 3 OPTION 2 OPTION 1 ADDRESS 3 ADDRESS 2 ADDRESS 1 ADDRESS 0

DIP SWITCHES SEE MANUAL FOR DETAILS

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