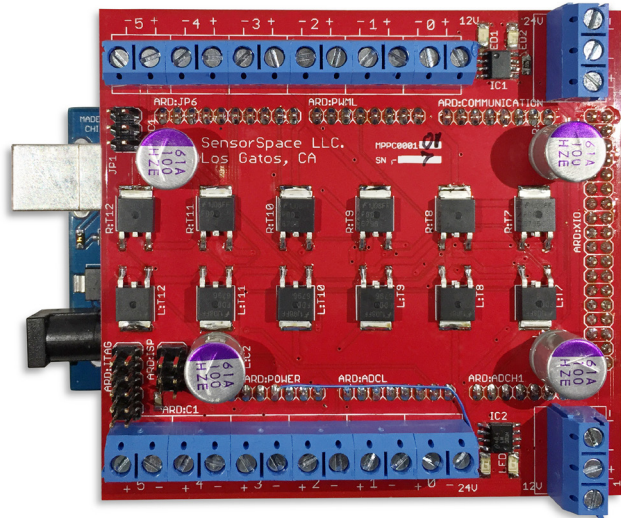


LED Controller LE-100

High power LED controller to manage up to 12 channels of LEDs



Description and Application

The LE 100 is a high power controller which can drive up to 12 channels of LEDs. It allows a user to control the LEDs and modulate their intensity via any computer or microcontroller. The device is programmable via simple, serial (RS-232) commands via a USB COM port and languages such as Python, Matlab etc.

The LE 100 is ideal for evaluating the behavior of the LEDs by changing the PWM frequencies. There are 6 independently controllable channels, each with outputs for two sets of LEDs at separate voltages.

SensorSpace optionally provides panels of LED lights which can be used with the controller or the user can supply their own.



Features

- Small format
- Two parallel power inputs
- Serial port RS-232 control
- Light controlled via Pulsed Width Modulation (PWM).
- PWM frequency control

Specifications

- PWM frequency from 8KHz to 63KHz
- Intensity control from 0 to 100%
- 2 independent power inputs (12 V, 24V)
- 12 channels
- Max current per channel:
 - 4 A at 12 Volts
 - 2 A at 24 Volts
- 600 watts max power
- 3 bit jumper to set unique ID for device
- Communication: Serial RS-232 protocol via USB COM port
- Requires an external power supply

SensorSpace, LLC.

Los Gatos, CA
(754) 44-IMAGE
www.sensorspace.biz