

PWM-SGV

PWM Controller Kit - Pulse Width Modulator - Dims LED Lights with Signal Wire

Product ID: 50827

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

PWM-SGV Pulse Width Modulation Controller Kit

Type: Pulse Width Modulation Controller Kit

Input Voltage: 12 V DC

Dimming Range: 50% to 100%

Wiring: Y-Splitter with Deutsch Connectors, (2) 20' 16/2 power harnesses, (1) 20' Harness for Signal Control Wire.

Switch Type: Rotary

Mounting: Handheld or Surface Mounted

Ratings/Approvals

Dims LED Lights

Compact Design

Special Orders - Special Requirements

Contact us for special requirements

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The PWM-SGV from Larson Electronics is a Pulse Width Modulation Controller Kit that is designed to dim LED lights between 100% and 50% of their light output capabilities. A convenient rotating switch allows the operator to quickly and easily adjust the brightness of the connected light.

This pulse width modulator controller kit is designed to dim any and all LED lights with a pulse/signal wire, indicated with a "P" in the name. PWM controllers are CPU controlled, digital alternatives to resistance based rheostats. This PWM controller has a rotating switch that enables the operator to control the brightness of the LED light. Thus, many operators will use this as a "dimmer" switch. This PWM is designed to work inline with any of the Larson Electronics LED lights

with a signal wire, including our LEDP10W series of LED lights. It works on 12V DC. Because this dimmer adjusts the pulse of the LED drivers and not the power going to the drivers, amperage does not affect nor limit this dimmer. There is no limit on how many LED lights that can be controlled from a single switch. It is equipped with a 2 pin Deutsch connectors so that it can be used inline with any Larson Electronics harness and/or cord solution.

This PWM can be used as a handheld or it can be surface mounted. Mounting ears extend from the unit to enable operators to surface mount the unit. A dial extending from the end of the PWM enables operators to control the brightness of the attached LED light. The PWM-SGV comes with the dimmer control modular, a Y-Splitter terminated in Deutsch connectors, and a 20` harness for the signal control wire.

Kit Includes:

- Y-Splitter harness for splitting incoming power between existing light and PWM dimmer switch

- (2) 20 16/2 SOOW harnesses terminated in Deutsch connectors. Used for extending the distance of the light and dimmer switch after Y splitter

- (1) 20` 18 AWG single conductor harness for transmitting signal from light to dimmer switch. Includes Duetsch connector for dimmer connection, and (1) butt-splice with heat shrink for making connection to existing light fixture(s).

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

Frequently Asked Questions (FAQ)

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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [Dimensional Drawing 2D](#)
- [Operations Manual](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)