

PP860/PP861 – High Current LED Lighting Controller

LEDS CAN NOW REPLACE XENON STROBES



Brightest LED Pulsing Ever

Pulsing up to 160A

Very Accurate Timing

Designed for New Generation LEDs

The PP860 LED lighting controller range provides very fast accurate large current pulses for high end applications. With new generation LEDs the PP860 can provide high intensity pulses which exceed the brightness of xenon strobes. The PP861 is a lower current version of the PP860.

Two modes of operation are provided independently for each channel:

Continuous: Output is a continuous current, with configurable intensity

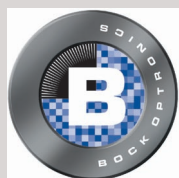
Pulsed: Output is pulsed once per trigger, with configurable delay, pulse width and intensity

The PP860 is configured using the RS232 connection to a PC. The configuration is saved in non-volatile memory so that the PP860 will resume operation after a power cycle.

PP860/PP861 Specification

Output channels	8 independent constant current output channels
Output current	PP860: Controllable in steps of 0.1A. Up to 20A pulsed or 2A continuous PP861: Controllable in steps of 0.01A. Up to 2A pulsed or 2A continuous
Trigger inputs	8 opto-isolated digital inputs
Pulse width timing	From 1 microsecond to 2 milliseconds in steps of 100 nanoseconds. Timing repeatability 10 nanoseconds
Delay from trigger to pulse	From 5 microseconds to 2 milliseconds in steps of 140 nanoseconds. Timing repeatability 140 nanoseconds
Supply voltage	Unregulated or regulated 12V to 48V
Control	RS232 commands at 115 Kbaud
Dimensions	245mm long by 51mm wide by 109mm high
Weight	750g
Mounting	Panel mounting. Six M4 tapped holes

Gardasoft Vision Ltd produces controllers for a wide variety of machine vision applications. New products are constantly being developed.



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