

PP600F – Fast Pulse LED Lighting Controller

Microsecond Pulse Timing for Ultra-Fast Applications

Accurate LED Pulsing

Enables New Lighting Techniques

Makes Line Scan Lighting Brighter

Freeze Motion Using LEDs



Controlling machine vision lighting is usually time consuming and costly. The solution is the PP600 range of LED Lighting Controllers.

The PP600F range is an enhanced version developed for fast and accurate pulsing applications.

Problem



Solution



Powering LED Lighting requires a DC supply, series potentiometer, enclosure, wiring, documentation and testing – a hidden cost often resulting in about three days work.	The PP600F range can be wired up and working in about ten minutes.
A stable, high accuracy pulse controller is very difficult to produce.	The PP600F range has been carefully designed to provide this functionality.
Linescan applications require faster pulsing. Pulse width repeatability is critical to prevent brightness variation.	The PP600F has repeatable pulse widths within +/- 0.1 microseconds.
Some systems require very short high current strobing illumination to freeze motion.	The PP600F can provide short pulses up to 10A giving high brightness for short exposure times.

The PP600F range was developed from the PP600 range. For slower applications the more cost effective PP600 equivalent can be used.

PP600F Range			
Model	Control Interface	Connectors	Alternative Product Without Fast Pulsing
PP600F	Push button and display.	Screw terminals	PP600
PP602F	Push button and display.	As above plus connectors for CCS Lights	PP602
PP610F	As above plus RS232 interface.	Screw terminals	PP610
PP612F	As above plus RS232 interface.	As above plus connectors for CCS Lights	PP612

