

PROCHRONO Indoor Lighting System

Setup & Operation Guide

model# CEI-4100

This indoor lighting system provides optimum lighting conditions for operating any ProChrono chronograph. It utilizes 72 infra-red LEDs which emit light that cannot be seen by the human eye.

Licensed under United States patent number 6,414,747.

ProChrono Chronograph Indoor Lighting System Features

- Portable and fast setup, just mount the light arcs and connect power.
- Patented electronic design eliminates light bulbs
- Red LED "ON" indicator lights
- Works with all ProChrono models
- Dual Voltage AC adapter included
- Will operate on a 24 Volt DC source (ex. two 12 Volt batteries wired in series.)
- Packing box is designed for storage and transport
- Individual replacement parts available
- 2 year warranty



For use with ALL ProChrono Chronographs.

Specifications

- Adapter input - 120/240 VAC 50/60Hz
- Light Arc Input/Adapter Output - 24 VDC 200mA
- Power Consumption - Approx. 200mA (100 mA per arc)

Setup

Remove the two arc shaped parts from the box and check the ends to find the power receptacles. They should be installed toward the same side of the chronograph to make a proper connection to the adapter.

1. Mount the chronograph in the desired location and install the guide wires.
2. Install the arc shaped light strips on top of the chronograph guide wires.
(Note: it is important that the guide wires are not bent, replace if necessary)
3. Plug one of the adapter outputs into each of the light arcs.
4. Connect the adapter to a 120/240volt AC outlet.
5. Note the red "ON" indicator glowing from each light arc.
6. You are ready to use the chronograph.



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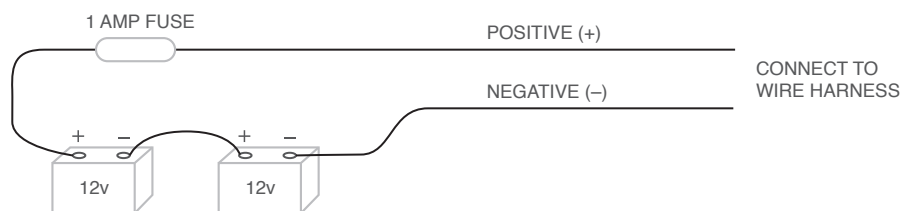
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There are 2 ways to power your lighting system from a remote location or if a 120/240volt AC power outlet is not available.

1. A common household portable power pack, (otherwise called an automotive jumpstart box) with an AC outlet can be used as a power source for the included AC adapter.
2. A 20-24volt DC power source, such as two 12volt batteries connected in a series circuit (positive terminal of one battery connected to the negative terminal of the other, with the remaining terminal from each battery properly connected to the light arc wiring harness).
 - Be sure the adapter is disconnected from power source.
 - Cut the wires near the 120/240volt adapter leaving enough length to rejoin if necessary. You may consider installing a suitable connector to switch back and forth.



- Install a 1 amp fuse and suitable terminals to make a proper connection to the battery
- Identify the negative wire (-) by the dashed white lines. Connect this wire to the battery negative terminal.
- Connect the remaining positive wire to the fused battery positive terminal.
- Plug the harness into the light arcs, Note the red "ON" indicator light in each arc, Chronograph is ready to use.



Limited Warranty

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COMPETITION ELECTRONICS, INC. warrants the product manufactured by it to be free from defects in material and workmanship for a period of 2 years from date of purchase by the original purchaser for use. COMPETITION ELECTRONICS, at its option, will repair or replace without charge, or refund the purchase price of, any product which fails during the warranty period by reason of a defect in material or workmanship found upon examination by COMPETITION ELECTRONICS, INC., to have been the cause of failure. This warranty does not cover any failures attributable to abuse, mishandling, failure to follow operating instructions, alteration or accident.

To make claim under this warranty, the purchaser must return the product to COMPETITION ELECTRONICS, INC., at the address shown below, properly packed and with shipping charges prepaid. All claims must be made in thirty (30) days after the product failure and, in any event, within thirty (30) days after the expiration of the 2 year warranty. All claims must be accompanied by a sales receipt or other written proof of date of purchase.

TO THE EXTENT PERMITTED BY LAW, ANY AND ALL IMPLIED WARRANTIES, INCLUDING MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE EXCLUDED; ANY IMPLIED WARRANTIES NOT EXCLUDED ARE LIMITED IN DURATION TO 2 YEARS FROM DATE OF PURCHASE. INCIDENTAL AND CONSEQUENTIAL DAMAGES ARE EXPRESSLY EXCLUDED FROM THE REMEDIES AVAILABLE TO PURCHASER, AND THE REMEDIES PROVIDED IN THIS WARRANTY SHALL BE EXCLUSIVE TO THE EXTENT PERMITTED BY LAW.

(Note: Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the foregoing limitations and exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.)

If any product returned by the purchaser is found by COMPETITION ELECTRONICS, INC., to require service not covered by warranty, COMPETITION ELECTRONICS, INC., will so advise the purchaser and request further instructions.

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