

## Model CX2250 Controller Electrical Specifications

General Description: Our highest performing controller, with maximum repetition rate capability, to drive the high performance modulation/exposure/gating shutters. Also used with many custom shutters. Regulated to provide repeatable magnetic energy to the shutter system even with changes in line frequency, voltage, and with shutter repetition rates.

Intended Use: For our fast modulation/exposure/gating shutters.

Calibration: Labeled for use with a specific model of shutter.

Shutter Compatibility: LST200, LS200, LS500, LS055, and custom shutters.

OEM Considerations: Primarily a research tool, but convenient package for OEM integration.

Electrical Safety Issues: All metal, earth grounded box.

Input Drive Signal & Connections: Seeking a TTL type positive signal, driving a 3.3 K ohm load through an opto-isolated LED. Signal enters CX2250 via a BNC coaxial connector on front panel. Also provides a manual toggle switch that drives the shutter, either latching or momentary.

Output Power and Connections: Power delivered through receptacle on front panel. Shutter plug mates with receptacle. Keyed. Short circuit protected.

Power – Up Considerations: Soft start system built in.

Line Voltage Considerations: Internal taps for 110 or 220 V operation, labeled at AC receptacle. Unit will accept 90-125 VAC when tapped for 110 VAC, and 200-250 VAC when tapped for 220 VAC. Accommodates world-wide frequencies.

Nominal Power Source	AC, via IEC detachable plug.
Fusing	from 1.0-3.0 A, 3 AG Slo-Blo
Auxiliary Voltage Available	None
Physical Mounting	Table top, four rubber feet
Size	4 x 5 x 10 inches, with cable allowances
Weight	4 lbs.

### Operational Connections and Procedures:

- 1) Make sure shutter is thermally mounted. Make sure CX2250 has label, stating “For LSxxx” above shutter receptacle. Plug correct shutter only into CX2250 receptacle.
- 2) Check label at AC receptacle. Attach power cord.
- 3) Set manual toggle switch to central, neutral position.
- 4) Attach coaxial signal source to BNC connector.
- 5) Turn on AC power switch. LED will be lit.
- 6) Use manual toggle or BNC to operate the shutter.

Danger! Do Not attempt to service the CX2250. There are high voltage points across the board. Contact the factory for service help.