

# LC08

## Powerful Microprocessor-Based Lighting Control Panels



Automated Logic's Lighting Control LC08 panel brings the power and simplicity of WebCTRL® to your building's lighting systems. The LC08 utilizes an advanced microprocessor to provide superior lighting control, while delivering the rapid response required by lighting applications.

The LC08 is preconfigured to accommodate 24 switch inputs for low voltage devices, 6 analog inputs for photocells, and a port for a Digi-Touch network of switches and occupancy sensors.

### Key Features and Benefits

- Designed for inclusion of lighting into building-wide energy management strategies.
- Native BACnet communications allows instant response to system activity.
- Provides installation versatility for efficient, cost effective installations.
- Each circuit relay has an override lever allowing manual operation.

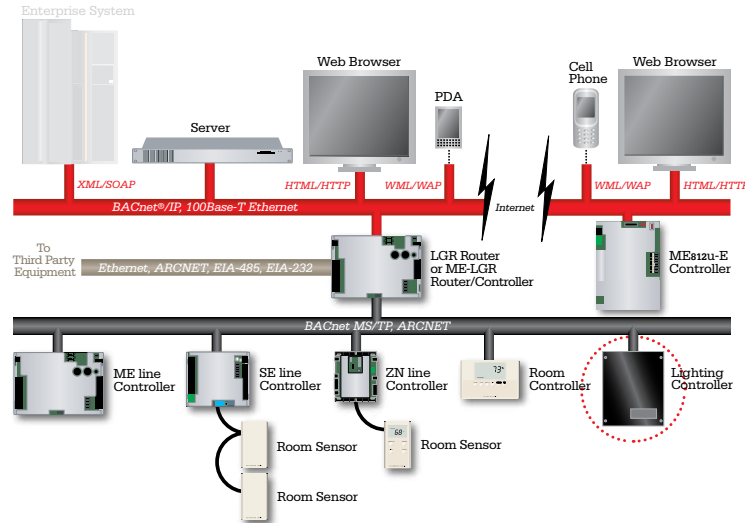
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CSLC08rev3

# LC08

## Specifications



- Microprocessor: High speed 16-bit microprocessor with ARCNET communication co-processor, high speed 32 bit I/O processor:
- Memory: 2 MB non-volatile battery-backed RAM, 1 MB Flash memory, 16-bit memory bus.
  - BACnet Support: Conforms to the Advanced Application Controller (B-AAC) Standard Device Profile as defined in ANSI/ASHRAE Standard 135-2004 (BACnet) Annex L.
  - Communication: EIA-485 port for ARC156 or MS/TP (9600 bps–76.8 kbps). Local Access port for system start-up and troubleshooting. Digital Device Network Port for communication and power to Digi-Touch network.
  - Real-time Clock: Battery-backed real-time clock keeps track of time in event of power failure.
  - Battery: 10-year Lithium CR2032 battery provides a minimum of 10,000 hours of data retention during power outages, maintaining the real time clock and BACnet control programs.
  - Status Indicators: LEDs indicate status of communications, running, errors, and power
  - Protection: Internal solid-state polyswitches with auto-reset.
  - Power Requirements: 24 Vac  $\pm$ 10%, 30 VA.
  - Listed by: UL 916, Std. for Energy Mgmt. Equip. - U.S. and Canada; California Energy Commission Certified Title 24.

Digital Inputs: 24 digital inputs for low-voltage devices such as switches and occupancy sensors.

Analog Inputs: 6 inputs for 0–5 Vdc photocells; resolution: 10 bit A/D.

Relay Terminal Capacity: Each terminal opening can accept one 8 to 14 AWG or two 10 AWG wires, solid or stranded, copper only.

Relay Output Ratings: 20A Tungsten 120 Vac.  
20A Ballast 277 Vac or 347 Vac.  
20A resistive 277 Vac or 347 Vac.

Listed by: FCC, Part 15, Class A - Radiated and Conducted Emissions.

Environmental Operating Range: 32 to 125° F (0 to 52° C); 20-95% relative humidity, non-condensing.

Physical: Rugged NEMA 1 metal enclosure with screw-on cover and rolled edges.

Dimensions/Weight:	Panel	Relay Capacity	Width	Height	Depth	Weight*
	LC08	8	13.16 in. 33.43 cm	16.16 in. 41.05 cm	5.75 in. 14.61 cm	20 lb.

\*Note: Weight is approximate.

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**CEC Title 24**  
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