

Lighting Control Panel Specification

Application

The Lighting Control (LC) panel is designed to control lights in a facility according to programmed schedules and according to sensor input logic while allowing human control and configuration through LCD screen interfaces (HMI). This control saves electricity by turning lights on only when they are needed and helps facilities to meet lighting code requirements. An HMI is mounted on the control panel and additional HMI's can be remote mounted.

Construction

The Lighting Control panel includes:

- Control Board
- LCD Screen Interface
- Contactors and/or terminals for controlling remote contactors
- Remote Mounted LCD Screen Interfaces (Optional)

Features

- Controls are listed by ETL (UL 508A).
- The control enclosure will be NEMA 1 rated and made of stainless steel. The panels include color coded wiring with as built wiring diagrams.
- The LCD screen interface can be used for controlling lights, configuring the schedule, and changing system settings. Any combination of 40A 4-pole, 50A 3-pole, and user supplied remote mounted contactors can be controlled by each panel.
- Up to nine remote HMI's can be wired using cat5 cable with RJ-45 termination. These HMI's can be used to control the system and configured for single button press control of the lights in any single zone.
- The system automatically adjusts for daylight savings time. Single or multiple day holidays can also be stored to the schedule.
- Inputs can be configured to enable an override-on timer or to turn lights on only while the input is receiving a signal. These inputs must be nominal 120VAC. Possible input devices include photocells, occupancy sensors, and wall switches.
- There are two interlocks for use by a fire system, security system, or other building management system to turn all lights on or off. These must be activated through a dry contact on the signaling device.
- There are physical Auto/Off/Manual switches inside the providing a full manual override.
- Can interface with BACNet and LONWORKS.

System Maximums

HMI's	10
Contactors	8
120V Inputs	7
Interlocks	2