Light Controller
LC-064E

**Description:** The Cornell LC-064E Light Controller to be used with AURA 2.0 has 0-9 flash rate codes. Flash rates are used to determine the priority level of a call, and a different flash rate can be applied to each relay.

**Operation:** Cornell’s LC-064E will control the flash rate of the lights connected to it when properly programmed with AURA 2.0. Flash rate options are as followed:

- 0. Off
- 1. Flash 250ms On/ 250ms Off
- 2. Flash 500ms On/ 500ms Off
- 3. Flash 750ms On/ 250ms Off
- 4. Flash 1000ms On/ 500ms Off
- 5. Flash 1500ms On/ 500ms Off
- 6. Flash 2000ms On/ 750ms Off
- 7. Flash 250ms On/ 750ms Off
- 8. Flash 3000ms On/ 1000ms Off
- 9. On

**Mounting:** Surface mount enclosure.

**Engineering Specifications:** The contractor shall install and program the light controller (LC-064E) to predetermined specifications. The unit shall be installed inside included surface mount enclosure. Contractor shall test the unit using the test program to confirm proper operation of the light controller by connecting a momentary switch assembly from terminal X8 on the PLC-PCU to the (-)0 connection of the incoming power terminal block. Each activation of the switch will cause the next relay to energize, continue the cycle through all 64 relays to insure proper operation, then disconnect the switch assembly.

**Technical Information:**

- Power Requirements: 24VDC
- Operating Environment: 50-120°F Indoor Non-condensing
- Physical Dimensions: 15.5"W x 18.5"H x 4.25"D
- Mounting: Surface Mount
- Wiring: #22 AWG Minimum
115 VAC/60Hz 1.45A INPUT

100-240 VAC 37VA 50-60Hz INPUT

LC-064E DOME LIGHT CONTROLLER ENCLOSURE
15.5"W X 18.5"H X 4.25"D DEEP SURFACE MOUNT

ENCLOSURE SIZE
12.75"W X 13.5"H X 3.25"D DEEP SURFACE MOUNT

MAINTENANCE ROOM

P-512243A 24VDC POWER SUPPLY

2/18

12" D2-06CBL CONNECTION CABLE TO PORT #2 PLC/LC-064E #9019-024

NOTES:
1. ALL WIRE SIZES NOT SPECIFIED ARE 22AWG OR HEAVIER. IT IS RECOMMENDED THAT EACH GREEN GROUND SCREW, GREEN GROUND WIRE AND GROUND SCREW TERMINAL ON DOME LIGHTS (LABELED "G") BE CONNECTED TO EARTH GROUND, 18AWG WIRE MINIMUM.

2. ADDITIONAL SYSTEM AND PROGRAMMING INFORMATION MAY BE FOUND IN THE AURA 2.0 INSTALLATION/SERVICE MANUAL.

CORNELL Communications, Inc.
sales@cornell.com
Web: www.cornell.com 414-351-4660

DATE: JANUARY 29, 2010 SYSTEM: AURA 2.0
TITLE: LC-064E DOME LIGHT CONTROLLER RISER DRAWING # PG 1 OF 3

FACTORY WIRES

INPUT
100-240V 37VA 50-60Hz

12" D2-06CBL CABLE #9019-024 CONNECTS TO AURA PC RS232 PORT

FACTORY WIRES

P-512243A 24VDC INPUT

RED BLOCKS (+)

BLACK BLOCKS (-)

RED BLOCKS (+)

USE ANY OF THE 70 AVAILABLE RED TERMINAL BLOCK (+24VDC) CONNECTION POINTS FOR THE DOME LIGHT TERMINATIONS.

GREEN EARTH GROUND 18AWG WIRE MINIMUM

NOTES:
1. ALL WIRE SIZES NOT SPECIFIED ARE 22AWG OR HEAVIER. IT IS RECOMMENDED THAT EACH GREEN GROUND SCREW, GREEN GROUND WIRE AND GROUND SCREW TERMINAL ON DOME LIGHTS (LABELED "G") BE CONNECTED TO EARTH GROUND, 18AWG WIRE MINIMUM.

2. ADDITIONAL SYSTEM AND PROGRAMMING INFORMATION MAY BE FOUND IN THE AURA 2.0 INSTALLATION/SERVICE MANUAL.

CORNELL COMMUNICATIONS, INC.
Milwaukee, Wisconsin USA - 800-558-8957 - 414-351-4660 - Fax 414-351-4657
www.cornell.com - sales@cornell.com

DATE: JANUARY 29, 2010 SYSTEM: AURA 2.0
TITLE: LC-064E DOME LIGHT CONTROLLER WIRING DRAWING # PG 2 OF 3