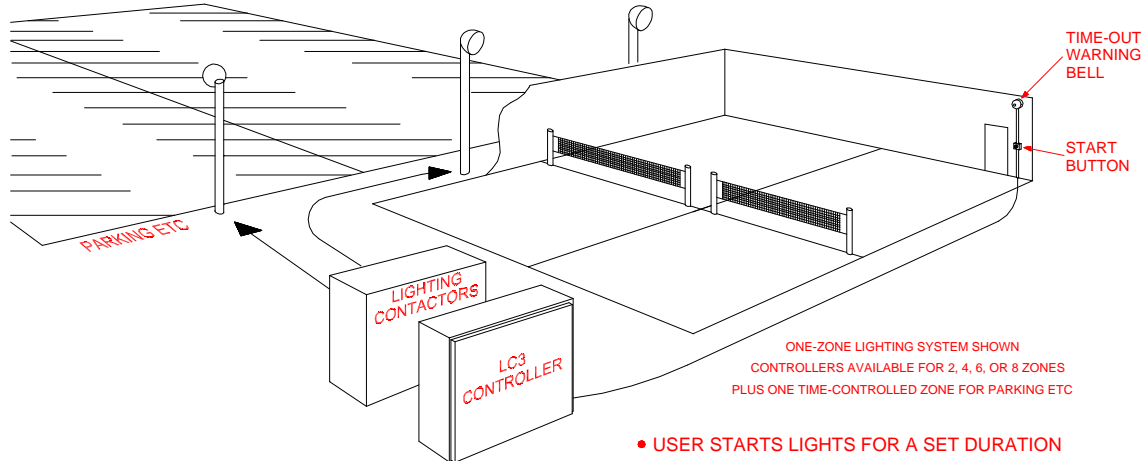


# THETA|LABS|INC

## LC3 TENNIS LIGHT CONTROLLERS

### HOW TO LIGHT UP A TENNIS BALL!



- USER STARTS LIGHTS FOR A SET DURATION
- BELL WARNS BEFORE LIGHTS TIME OUT
- USER CAN RESTART FOR ADDITIONAL TIME
- LIGHTING ONLY ALLOWED DURING SET HOURS

Fully automatic, trouble-free! The users enjoy their game, minimum energy is wasted because lights don't stay on unused, and no one has to spend time operating the system.

Controls up to eight lighting zones for courts, and security lights, independently.

No moving parts! Modern solid-state electronic circuitry gives flexible operation and a long service life. All timing is by one quartz-crystal master clock with liquid-crystal display.

Push-buttons at the court turn lights on. Once started, they will stay on for a pre-set duration from four minutes to four hours. A bell sounds three minutes before the lights are due to turn off. During this time, operating the button or coin-meter again extends the light operation by the same duration.

The court lights will only operate during a pre-set time period on pre-set days of the week. An optional photo-cell may be used to delay operation until after dark to avoid re-adjusting the beginning of the period for changing sunset time.

Security lights turn and off at pre-set times. With the optional photo-cell, they will only operate if it is dark.

# LC3 TENNIS LIGHT CONTROLLERS

## TECHNICAL DESCRIPTION

### MODEL NOS.

Model LC3-2 has inputs & outputs to control two independent court-lighting zones. Model LC3-4 will control four zones, model LC3-6 controls six zones, and LC3-8 eight zones. All models also have one security-light zone for parking lots lights, etc. A lighting zone is any group of lights that go off & on together; which may or may not be one field or court. For example, tennis courts are commonly lighted in pairs, ie. two courts in one zone.

### MECHANICAL

The controller is housed in a weather-proof steel NEMA-12 wall-mount box with the following dimensions:

Model	height x width x depth
LC3-2, -4	20" x 20" x 6" (51 x 51 x 15 cm)
LC3-6, -8	20" x 24" x 6" (51 x 61 x 15 cm)

Wiring enters the box by conduit. The door has a padlock hasp.

### INPUTS

For each court-lighting zone (up to eight) a momentary contact closure is required, from push-button or coin-meter, operating on 24 Vac. A single 120 Vac input is included for the optional photo-cell.

### OUTPUTS

For each lighting zone there is a 120 Vac @ 3 Amp output which may be used to drive the coil of a magnetic contactor, and a 24 Vac @ 3 Amp output to drive a warning bell or horn.

### LOCAL CONTROL

Optional toggle or key-switches with ON-OFF-AUTO positions may be added to manually bypass the timing controls for maintenance.

### PHOTO-CELL

The optional photo-cell may be mounted on top of the housing box or elsewhere as required to properly sense daylight.

### POWER REQUIREMENTS

120 Vac @ ¼ Amp plus power passed through to loads.