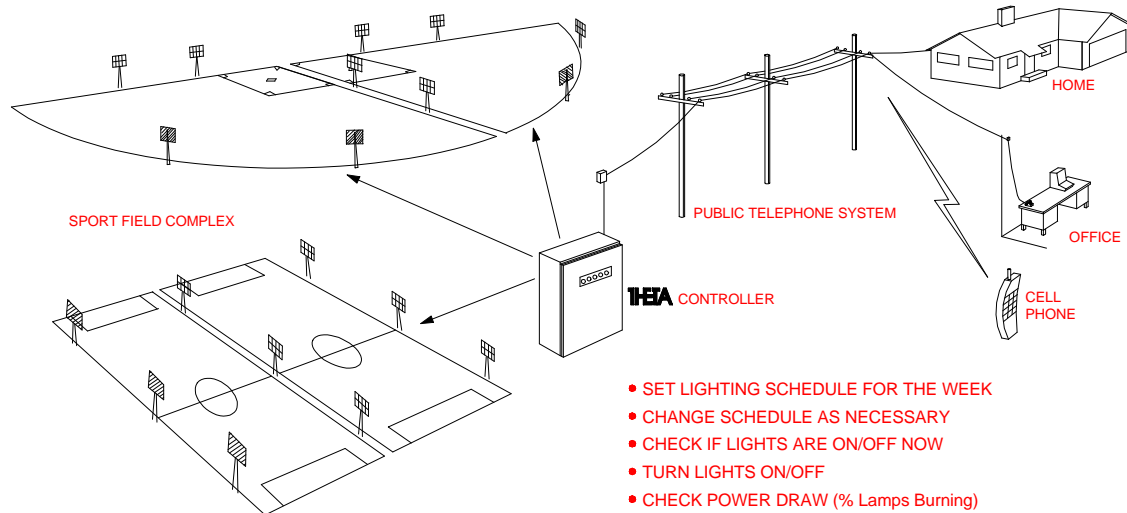


# THETA LABS INC

## LC2 REMOTE LIGHT CONTROLLERS



*Up to 64 different fields in a complex may be operated by one controller.*

You can control ball-field lights (or other electrical equipment) from office, home or car with any Touch-Tone equipped telephone. A person responsible for field lights can control them from wherever a telephone is, *and not have to go to the field.*

Lighting controls that are accessible to the public invite unauthorized use and vandalism. The choice has been to have park employees on overtime go to the field, or entrust the operation to users who may or may not be responsible. When lights are left on unused, money is wasted and park personnel may be called out at early hours to turn them off. Keys may be duplicated, lost, etc. and the handling of keys and deposits is time-consuming.

The *Theta Light Controller* solves these problems by putting the park owner back in control. All controls may be hidden in a small building or enclosure so that the general public does not know where or how the lights are controlled. Only park personnel ever need to operate the system.

When called by telephone, the *Theta Light Controller* switches lights instantly as the commands are given, or according to a week-long programmed schedule. This schedule may be set up or altered at any time.

The *Theta Light Controller* has its own telephone line and phone number. To operate it, one calls this number and then enters commands with the push-buttons on his phone. The controller replies with synthesized speech. For security, the caller must enter a code, which is set at the controller.

**THETA LABS, Inc.**  
**Aguila AZ 85320-0734**  
**928-671-1885**      **www.thetalabs.com**

# LC2 REMOTE LIGHT CONTROLLERS

## TECHNICAL DESCRIPTION

### OPERATION

The controller has two modes: 'security' and 'control'. It will answer the telephone when it rings, identify itself, and wait in 'security' mode six seconds for the correct four-digit security code sequence. If the correct code is not received, the controller will then disconnect. If the code is received within the waiting period the controller will signal acceptance and switch to 'control' mode.

### CONTROL FUNCTIONS

Direct control – The controller may be commanded to switch lights on or off instantly or read status, either individually or all at once. Each command is acknowledged by the controller, so the user knows his command was recognized and executed.

Set schedule – The current 'on' and 'off' times of any particular field on any particular day may be read out, and new times set in. Each field may have several on/off cycles per day.

Set Clock – The current minute, hour, and day of week may be read out and set. An internal battery operates the clock in case of interruption of primary power.

### MECHANICAL

The controller is housed in a weather-proof steel NEMA-12 wall-mount enclosure 24" wide by 24" height by 10" deep (61 x 61 x 25 cm). Wiring enters the box by conduit. Space is allowed in the box for a wall-mount telephone. The door has a padlock hasp.

### OUTPUT

There are several independent 120 Vac @ 3 Amp output circuits, which may be used to drive the coils of magnetic power contactors or other loads. The LC2 has eight to 64 such outputs, depending on model. The actual switching of heavy loads is done by contactors in separate cabinets (not part of this control) which may be up to a quarter-mile away. Optional manual override switches allow local control for maintenance.

### POWER REQUIREMENTS

120 Vac @ ½ Amp, plus the power passed through to drive the loads.

### POWER BACKUP

An un-interruptible power supply provides full controller functioning for a minimum of 24 hours during a power outage, meaning schedules can be changed and lights will be in the correct state when the power resumes. After that, a computer battery keeps the time and schedule intact for one year minimum.

### TELEPHONE CONNECTION

The recommended telephone service is private-line, unlisted, dedicated to the controller, with a wall-mount instrument and a modular jack or other device coupler as required.

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