

# Safetran Model 342LX Cabinet



▶▶ The 342LX ITS Cabinet is an industry standard 170/2070 style cabinet ideal for accommodating a wide variety of communications and ITS requirements.

## About the 342LX Cabinet

It is well understood that one of the most critical components of a signalized intersection is the traffic control cabinet. The traffic cabinet houses the signal controller and other vital intersection electronic equipment that manages traffic flow and ensures safety for all roadway users.

Safetran (an Econolite Group company) has provided more than three decades of leading innovation and service through close alignment with its customers and the industry. Safetran's focus, along with its people and their experience, in providing traffic management solutions for New York Department of Transportation (NYDOT), California Department of Transportation (CalTrans), Federal Highway Administration (FHWA), and Transportation Electrical Equipment Specifications (TEES) projects and standards is unequalled in the industry.

As a result, Safetran provides an ideal combination of specification- and customer-driven cabinet solutions to the traffic industry with unparalleled factory support and service.

### At A Glance

- ▶ Protects technicians from accidental contact with high voltages
- ▶ Interchange standard assemblies and components easily through modular design
- ▶ Access spacious cabinet interior easily through double doors, front and back
- ▶ Secure cabinet with three-point latching system and industry standard locks

**Safetran**



## Description

The Safetran 342LX Cabinet is the newest in the line of Caltrans fully functional traffic controller cabinets that have put the customers' needs at the forefront. After many years of being exposed to dangerous voltages inside of traffic control cabinets, Caltrans has answered the need to comply with stringent safety standards of the NEC (National Electrical Code) and OSHA (Occupational Safety and Health Act). As part of the new 2009 Caltrans Electrical Equipment Specification incorporating Errata 2 Caltrans has also taken into consideration the many additional uses that the modern traffic controller cabinet can be used for by enlarging the cabinet housing design to be able to accommodate the most advanced intersection management applications. These applications, CCTV management, Sign Controls, Data Management, Fiber and Communication hubs and more are all easily added to this new cabinet design.

## Benefits

- Strict safety standards to protect traffic technician personnel from exposure to high voltages when working in the traffic controller environment
- Standardized cabinet housing design for multi-purpose uses
- Modularized assemblies that are interchangeable and field replaceable
- Customer specified options are available when needed
- 4 - door cabinet design for maximum accessibility to all cabinet functionality
- Completely customizable to intersection needs

## Features

- 8-phase, 4-pedestrian operation (or 2-pedestrian, 2-overlap) (1-Output file)
- 36 detector channel capability (3-left turn, 6-through movement) (2-Input files)
- 2/4 detector channel modules (plug ins - specify)
- 2-railroad, 4-evp inputs available

## Basic Specifications

- ▶ **Dimensions**
  - ◉ 67 in. H x 45 in. W x 26 in. D
- ▶ **Material**
  - ◉ Aluminum 0.125 in. (painted inside/outside)
- ▶ **Ship Weight**
  - ◉ 368 lbs (with no plug-ins or controller)

- Solid State signal bus relay (SSR) with Fault Indicator light (no mercury contactor available)
- 24VDC control to the load switches, backup protection if SSR fails
- Red/Yellow programmable flash via molex flash plugs
- DC isolator for input file interfacing to ped push buttons or special functions
- Conflict Monitor Unit slot for series 210 or 2010 CMU.
- Transient Voltage and surge suppression filter
- Drawer/shelf combo
- C11 harness
- Fluorescent or LED light assemblies available

