

342LX CABINET

CABINETS

CONTROLLERS

DETECTION

PARKING

SIGNALS

SIGNS

SOFTWARE

SPECIALTY



Overview

McCain's 342LX Cabinet is a progressive traffic control cabinet that boasts enhanced safety features to protect personnel from inadvertent contact with potentially dangerous high-voltage parts in compliance with safety standards set forth by the National Electric Code (NEC) and the Occupational Safety and Health Act (OSHA). The cabinet also adheres with the 2009 Caltrans Transportation Electrical Equipment Specifications (TEES) and TEES 2009 Errata No. 2. Its oversized design, rooted in the advanced functionality of ITS cabinets, easily accommodates components for intersection management, while providing ample space for additional equipment for alternate ITS applications such as sign control, CCTV, or communication equipment.

Benefits

- Protect personnel from accidental contact with high voltages
- Use for a multitude of 170/2070 traffic applications including traffic control, CCTV, communications hubs, and more
- Interchange standard assemblies and components easily through modular design
- Access spacious cabinet interior easily through double doors, front and back
- Secure cabinet with 3-point latching system and industry standard locks

Product Description

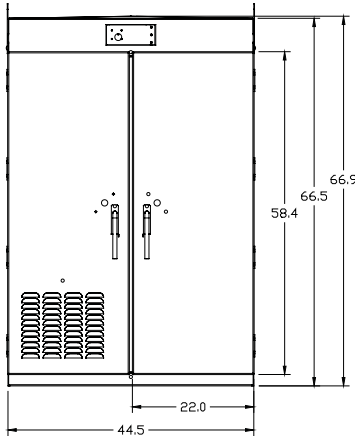
The McCain 342LX Cabinet safeguards against accidental contact with the cabinet's high-voltage components, defined as 50 or more volts. To do this, marginal yet effective modifications were made to the output, and input files as well as the power distribution assembly (PDA) such that components over 50V are not exposed at the first level of cabinet entry.

The cabinet comes equipped with a 12-position output file and two 14-position input files offering an eight-phase, four-pedestrian operation with two right-turn overlaps. Its 36 detector channel capability can be utilized with 2-channel or 4-channel detector modules. The 342LX Cabinet also features a #2LX power distribution assembly with a solid state relay instead of a mercury contactor and a 206L switching power supply.

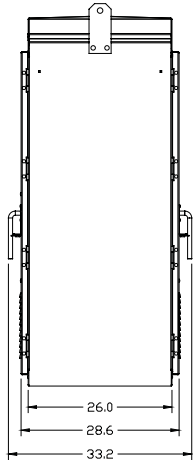
Promoting ease of installation, the cabinet is compatible with NEMA "P" and "R" cabinet foundations.

342LX Cabinet

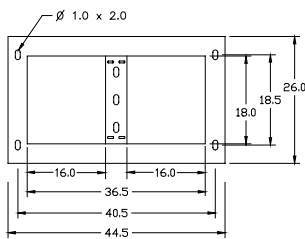
Front



Side



Bottom



Dimensions rounded to the nearest 0.1"

Standard Features

- 8-phase, 4-pedestrian operation (2 right turn overlaps available)
- 36 detector channel capability (3 per left turn, 6 per through movement)
- 2-channel or 4-channel industry standard detection modules
- Railroad (2) and emergency vehicle (4) preemption inputs
- Solid state relay (SSR) (Mercury Contactor replacement)
- SSR Fault Indicator Light
- Relay safety feature interrupts 24 VDC control to the load switches if the SSR fails during a flash condition
- Programmable "Yellow/Red" or "All Red" flashes through the use of flash plugs
- DC isolation inputs for pedestrian push buttons and special functions
- 210/2010 signal monitor slot
- Transient voltage & surge suppression filter
- Drawer / shelf combination
- C11 harness
- Lights, LED

Assemblies & Components

Fan Panel Assembly

Lamp Assembly

Equipment Rack Assembly

- Mounting cage
- Service PDA
- Drawer shelf assembly
- Equipment shelf assembly

Rack Assembly

- Mounting cage
- Power distribution assembly #2LX
- 206L power supply
- Input files I and J
- Output file #1LX
- Service panel #1 assembly
- Input panel assembly
- Drawer shelf

General Specifications

Dimensions:	67" H x 45" W x 26" D (rounded to the nearest inch)
Material:	5052-H32 aluminum, 0.125" thick
Finishes:	Natural, powder coat (standard, anti-graffiti, and custom colors)
Doors:	Front doors (2), back doors (2), all full size
Latching System:	3-point, choice of Corbin or Best locks
Handles:	3/4" round, stainless steel, with padlock hasp
Door Stops:	90° and 180° ($\pm 10^\circ$), each door, top
Rack Assembly:	Removable 19" EIA racks (2)
Ventilation:	Thermostatically controlled 100 CFM fans (4), louvered air intake in door, pleated filter
Mounting:	Base mounted
Part Number:	M54042
Shipping Weight:	368 lbs without plug-ins or controller(s)

Options

- 3/4" x 18" anchor bolts for mounting (4)