

344LX CONTROLLER CABINET

CABINETS

CONTROLLERS

DETECTION

PARKING

SIGNALS

SIGNS

SOFTWARE

SPECIALTY



Overview

McCain's 344LX Cabinet is a versatile cabinet ideal for ramp metering. The spacious design easily houses multiple controllers while leaving ample room for additional ITS equipment for applications such as highway surveillance, CCTV, sign control, or communication hubs. Its unique design 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 is also compliant with the 2009 Caltrans Transportation Electrical Equipment Specifications (TEES) and TEES 2009 Errata No. 2.

Benefits

- Protect personnel from accidental contact with high voltages
- House additional controllers or equipment for alternate ITS applications
- 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

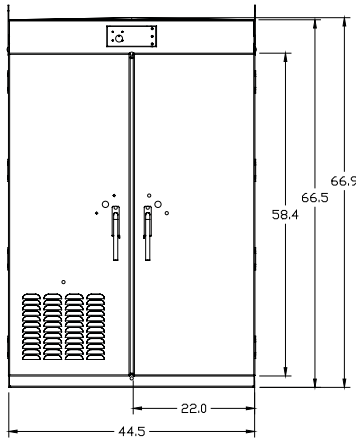
The McCain 344LX Cabinet safeguards against accidental contact with the cabinet's high-voltage components, defined as 50 or more volts. To do this, marginal yet effective modifications were made to the input file and power distribution assembly (PDA) such that components over 50V are not exposed at the first level of cabinet entry.

The cabinet comes equipped with a 14-position input file that accepts two-channel or four-channel detector modules. The 344LX cabinet also features a #3LX power distribution assembly with a 206L switching power supply and three load switch sockets.

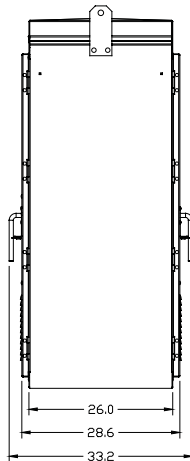
Promoting ease of installation, the cabinet is compatible with NEMA P and R cabinet foundations.

344LX Controller Cabinet

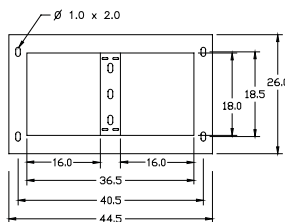
Front



Side



Bottom



Dimensions rounded to the nearest 0.1"

Standard Features

- AC-switched outputs (9), load switches (3)
- Up to 28 isolated inputs, 2-channel or 4-channel industry standard detection modules
- Detector input panel with terminal blocks or pendants
- 208 WD Monitor
- Transient voltage & surge suppression filter
- Drawer / shelf combination
- C11 Harness
- Lights, LED

Assemblies & Components

Fan Panel Assembly

Lamp Assembly

Rack Assembly

- Mounting cage
- Power distribution assembly #3LX
- 206L power supply
- Input file I
- Service panel #1 assembly
- Input panel assembly #3
- Drawer shelf assembly

Equipment Rack Assembly

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

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), anodized
Access:	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:	M55044 (silver/anti-graffiti, Corbin locks)
Shipping Weight:	300 lbs without plug-ins or controller(s)

Options

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