

342 ITS Cabinet



Cabinets

Controllers

Signals

Signs

Software

Specialty

Overview

McCain's 342 ITS Cabinet is the second largest cabinet in the ITS family. Its rugged and intelligent design provides state-of-the-art transportation control for any size intersection. Furthermore, it is designed to meet all of the requirements developed by the American Association of State Highway and Transportation Officials (AASHTO), the Institute of Transportation Engineers (ITE), and the National Electrical Manufacturers Association (NEMA). The 342 cabinet, patterned after the industry standard 332 controller cabinet, provides convenient modularity for a flexible control system. In addition to traffic control, the 342's intelligent design is applicable to many other control requirements including sign control, closed-circuit TV (CCTV), ramp meters, irrigation control, highway railroad intersection control, and high-occupancy vehicle systems.

Benefits

- Ideal for a multitude of ITS applications including intersection control
- State-of-the-art technology designed to control a variety of intelligent systems
- Standard assemblies assure interchangeability between manufacturers
- Full size doors (front and back) provide easy access to the cabinet's interior
- Same footprint as the 332 controller cabinet

Product Description

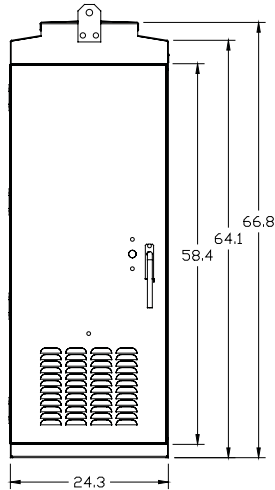
The McCain 342 ITS Cabinet has a modular design, based on the Electronics Industry Alliance (EIA) 19" rack, that easily houses current assemblies while maintaining enough adaptability to house next generation applications and future expansions. The 342 ITS cabinet is the second largest of McCain's ITS cabinets.

The cabinet features two 12-position input files and a 14-pack output file all with a Serial Interface Unit (SIU). The output file also contains an Auxiliary Monitor Unit (AMU) socket.

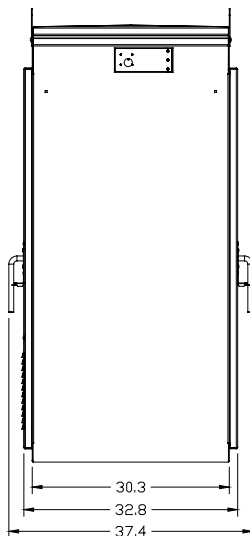
Standard with raw/clean AC power, 24 VDC power supply rack mount, and a Power Distribution Assembly (PDA), the 342 ITS cabinet facilitates a large variety of configurations. It also includes two dual-circuit flasher positions, a service panel with AC and Equipment Ground (EG) buses, and a fiber optic termination panel.

342 ITS Cabinet

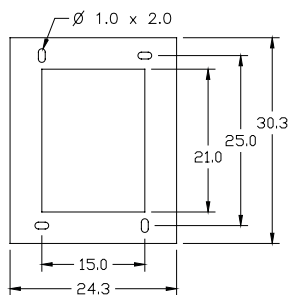
Front



Side



Base



Dimensions rounded to the nearest 0.1"

Standard Features

- Meets all requirements of the ITS cabinet standard, v01.02.17b of the joint AASHTO/ITE/NEMA committee on the ATC
- Standard 218 SIU's for input and output serial control
- Modular power, DC, and serial buses
- Fluorescent cabinet lights (2), front and back

Assemblies

- Input file (2) - 12 position with an 218 SIU socket per assembly
- Output file - 14-pack with a 214 AMU socket and a 218 SIU socket
- Raw/clean AC power, 2 socket
- 24 VDC power supply, rack mount
- DC power / communication
- Power Distribution Assembly (PDA), 212 CMU socket
- Dual-circuit flasher positions (2)
- Service panel, AC and EG buses
- Police panel with signal "On/Off", "Auto/Flash" and "Auto/Manual" switches
- Fiber optic termination panel
- Drawer
- Manual advance push button cable

General Specifications

- Dimensions: 67" H x 24" W x 30" 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 door (1), back door (1), both full size
- Latching System: 3-point, choice of Corbin or Best locks
- Handles: 3/4" round, stainless steel with padlock hasp
- Door Stops: 90° ($\pm 10^\circ$), each door, top
90° and 180° ($\pm 10^\circ$), each door, bottom
- Rack Assembly: Removable 19" EIA rack
- Ventilation: Thermostatically controlled 100 CFM fan
Louvered air intake in door, pleated filter
- Mounting: Base mounted
- Shipping Weight: 283 lbs without plug-ins or controller(s)

Options

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

To learn more about
McCain's Integrated Traffic
Solutions, please contact
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call (760) 727-8100



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