

350i ATC Cabinet

Cabinets

Controllers

Signals

Signs

Software

Specialty



*Shown with cabinet test display
(sold separately)*

Overview

McCain's 350i ATC Cabinet is an advanced transportation controller cabinet designed to increase driver and personnel safety, and provide state-of-the-art intersection control for any size intersection. Its revolutionary design combines the best of existing standards and provides a viable migration path to low-voltage intersections. Compact, high-density (HD) components enhance operations while leaving abundant space for additional equipment or storage. Designed with safety as a paramount feature, the cabinet incorporates National Electrical Codes (NEC) by safeguarding users from accidental contact with components over 50V and housing the main circuit breaker at the point of power service entry.

Benefits

- Detects a dark approach through load current monitoring
- Manages up to 120 detector inputs and 32-channel outputs
- Safeguards against accidental contact per NEC
- Enables migration to 48 VDC or ultra-low power LEDs
- Provides continuous monitoring of FTR and flasher status
- Allows for hot swappable output assembly
- Provides ample space for storing BBS, CCTV, or ITS equipment

Product Description

The McCain 350i ATC Cabinet marries the best of existing standards with modern technology, combining high-density rack-mounted components with serial-based I/Os in a 340 ITS cabinet footprint. Best of all, the HD components dramatically reduce assembly space requirements providing ample room for additional ITS equipment.

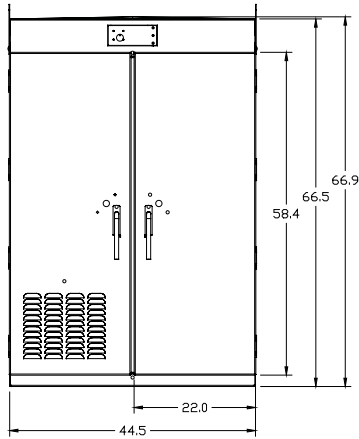
Designed to complement the operational capabilities of ATC controllers, the 350i ATC Cabinet can handle up to 120 detector inputs and 32 channel outputs.

The cabinet's advanced safety features include load current monitoring, no exposed high-voltage per NEC, and the ability to keep the intersection in flash while replacing the output assemblies.

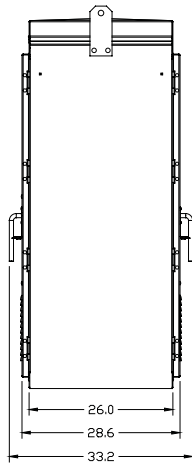
The cabinet features a dual flasher/switch pack combination, no electrical leakage of switch packs, and hermetically sealed FTR's with an indicator reporting contact status.

350i ATC Cabinet

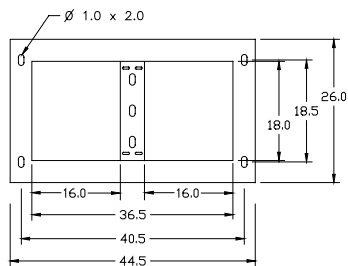
Front



Side



Base



Dimensions rounded to the nearest 0.1"

Standard Features

- 8-phase, 4-pedestrian and 4-overlaps
- 48-channel inputs for detectors, PPB, EVP, etc.
- Accepts 2-channel or 4-channel industry standard detection modules
- Model 2202 universal high-density switch pack / flasher (HDSP-FU)
- 48VDC airtight HDFTR, LED indicator reports contact status
- 48VDC main contactor
- Programmable "Yellow/Red" or "All Red" flashes via flash plugs

Assemblies

- Output assembly, 16-channel with a 2218 serial interface unit (SIU2) and a 2212 cabinet monitor unit (CMU2) socket
- Field output termination assembly (FOTA), 16-channel with (8) high-density flash transfer relay unit (HDFTR) sockets
- Input assembly (2), 24-channel with a 2218 (SIU2) socket
- Service assembly
- DC power / communication assembly
- Clean AC power assembly
- DC power supply assembly
- CMU2 auxiliary display unit (ADU)
- Police panel with signal On/Off, Auto/Flash, MCE, and Interval Adv switches
- Drawer assembly
- Fan panel 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: Anti-graffiti powder coat in standard colors (custom colors, natural finish & anodized available)
- Access: Front doors (2), back doors (2), 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° and 180° (±10°), each door, top
- Rack Assembly: Removable 19" EIA rack (2)
- Ventilation: Thermostatically controlled 100 CFM fans (2)
Louvered air intake in door, pleated filter
- Mounting: Base mounted
- Shipping Weight: Approx. 365 lbs without plug-ins or controller(s)

Options

- 32-channel output assembly
- 32-channel FOTA
- Single 48-channel input assembly rack
- Field input termination assembly (FITA)
- Manual advance pushbutton cable
- Cabinet LED light
- Fiber optic termination panel
- Anchor bolts for mounting

To learn more about
McCain's Integrated Traffic
Solutions, please contact
info@mccain-inc.com or
call (760) 727-8100



2365 OAK RIDGE WAY // VISTA, CALIFORNIA 92081 // USA // WWW.MCCAIN-INC.COM

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