ATCC 357i Plus (50/50)

Advanced Traffic Controller Cabinets

Econolite's Advanced Traffic Controller (ATC) 357i Plus traffic cabinets are built to fully meet or exceed the ATC 5301 V02 ATCC Standard and are designed to provide safer, smarter, and greener options for customers looking to future-proof their intersections. The ATC cabinet is safer because it helps to minimize occurrences of dark intersections while being serviced as the intersection will remain in flash. The cabinet also includes a completely touch-safe cabinet environment.

The ATC Cabinet is smarter by utilizing a serial-based design with components that are self-monitoring. It includes enhanced diagnostics capabilities with a Conflict Monitoring Unit (CMU) that monitors dual indication faults and includes current monitoring. This ATC cabinet is also greener as it uses safe, lower power assemblies, and plug-ins. Greener assemblies also enable longer run times when connected to a Battery Back-up System (BBS).
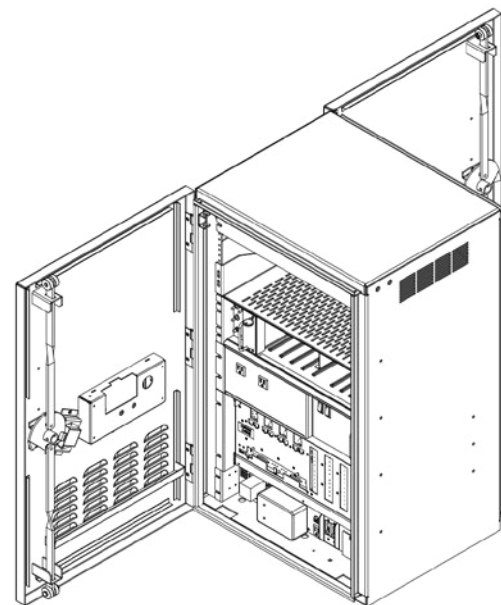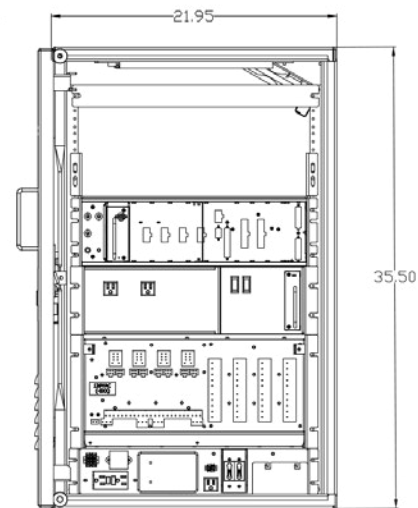
Key Features

- Provided protection against unintended high voltage shocks

- Constantly monitors Flash Transfer Relays (FTRs) and flasher functionality

- Offers flexible installation options

- Prepared to support Connected Vehicle (CV) applications

ATCC 357i Plus (50/50): Description

SFTC

Econolite's ATCC 357i Plus cabinet supports both 120 VAC and 48-volt DC signal heads, while high-density load switches and quad detector modules allow for up to eight signal outputs and 16 detection inputs utilizing a combination Input/Output (I/O) assembly and termination panel. The ATCC 357i Plus cabinet provides both voltage and current monitoring of all signal outputs-even ultra-low-power LEDs. The innovative Safetran power assembly incorporates built in I/O pins and an SDLC Bus for operations flexibility.

Features

- Power Assembly designed to work in ATC-type controllers are available in two different configurations:
  1. AC configuration: 120 VAC Power IN which drives 12 VAC LED signals without battery backup
  2. DC configuration: 120 VAC Power IN which drives 48 VDC signal heads

- Combination I/O assembly that supports 8 channels of outputs and 16 channels of inputs

- Optional Auxiliary Display Unit (ADU) diagnostic tool developed to provide the full set of intersection display indicators and includes additional diagnostic capabilities

- Space saving combination I/O termination assembly that supports 8 channels of output terminations and 16 channels of input terminations and designed to use the smallest footprint cabinet housing while maintaining the 19" EIA rack spacing

- Service Panel Assembly (SPA) that provides two AC power terminal blocks, one for utility power input and the other for generator connection which includes an Auto-Transfer Relay for easy switching between generator and line power

Specifications	ATCC 375i Plus
Dimensions	35.5 in H X 22 in W X 17.25 in D (doors open)
Finish	Anti-graffiti outside Gloss white powder-coated inside
Material	Aluminum 0.125 in (5052-H32 aluminum)
Ship Weight	108 lbs.

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