352 ATC CABINET

SAFER, SMARTER, AND MORE ECO-FRIENDLY INTERSECTION CONTROL

OVERVIEW

Advancing the latest trend in traffic control cabinets, Q-Free 352 ATC Cabinets offer all the features of traditional cabinets with a modern twist for boosted safety and efficiency in a form factor that is as flexible as it is functional.

The touch-safe design offers improved personnel safety that minimizes the risk of accidental contact with high voltages while helping ensure drivers don't encounter a dark intersection.

Additional safety features, such as low-voltage operations, are also available further promoting technician and driver safety and offering power savings up to 15%.

The Q-Free 352 ATC Cabinet controls 18 output channels and 48 detector inputs, expandable to 32 output channels and 120 detector inputs. The industry-standard design easily retrofits existing Caltrans 332 installations. Best of all, the compact components take up half the space leaving ample room for additional equipment.

BENEFITS

Improve Safety

- Touch-safe design
- Detect dark signal heads
- Maintain intersection in flash while replacing key components
- Boost technician safety through low-voltage option
- Cabinet alarm inputs

Boost Efficiency

- Significantly reduced wiring
- Energy-efficient design
- Pair with Q-Free ATC controllers

Secure the Future

- Modern technology ready for the future
- Smarter in-cabinet diagnostics
- Compact assemblies free up cabinet real estate for connected vehicle, IoT, and smart city devices

STANDARD FEATURES

- Monitors per-output current and voltage to detect partial LED failures of dark intersections
- Each output channel supports up to 1 amp
- Front-facing fuses for easy maintenance
- Thermostatically controlled fan
- LED work lights (2)
- ITS-SIU SDLC protocol compatible
- Exceeds latest ATC 5301 cabinet standards

ASSEMBLIES

- 16/18 channel hybrid output assembly
  - 8 output slots AND 1 combo input/output slot
  - NEMA Port 1 SDLC Port
- 48 channel input assembly using 4 channel high-density detector cards
- Conflict monitor and auxiliary display unit (CMU, ADU)
- Service assembly / integrated power distribution
- Input termination panel with surge protection
- Output termination panel with surge protection
- Police panel with on/off and auto/flash switches

OPTIONS

- 32 channel output assembly
- Input assemblies
  - 24 channel low-density detection
  - 48 channel high-density NEMA detection
- Pullout drawer or shelf, document storage
- Heavy duty aluminum (0.1875" thick)
- Door handles with removable hex key
- 48 VDC or 220/240 VAC power supplies
- Mounting hardware

TECHNICAL SPECIFICATIONS

Dimensions: (H x W x D)	67" x 24" x 30" 170.2 x 61 x 76.2 cm
Material:	Aluminum, 0.125" thick
Finishes:	Anodized, natural, or powder coat
Doors:	Front (1) and rear (1) each with two-position door stops
Handles:	Stainless steel with padlock capability
Lock system:	Three-point door lock with Pelco, Corbin, or APL locks
Power supply:	120 VAC
Mounting:	Base