

# 356 ATC CABINET

SAFER, SMARTER, AND MORE ECO-FRIENDLY INTERSECTION CONTROL



## OVERVIEW

Advancing the latest trend in traffic control cabinets, Q-Free 356 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 356 ATC Cabinet controls 18 output channels and 48 detector inputs, expandable to 32 output channels and 96 detector inputs, in one compact assembly ideal for central business districts where real estate is often limited, and can be base or pedestal mounted.

## 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):	46" x 24" x 22" 116.8 x 61 x 55.9 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 or pedestal

