Novax – Type 401 FTMS Cabinets

Pelco Products

Reliable, Field-Proven Cabinets for Freeway & ITS Applications

Orange Traffic's **401 Series FTMS Cabinets** are engineered to protect critical freeway and traffic management equipment in even the most demanding roadside environments. Built from marine-grade aluminum, designed to meet NEMA standards, and equipped with robust thermal management, the 401 Series offers long-term durability for ATMS, detection, ramp metering, and camera installations.

The series includes two variations:

- **401 – Base-Mount Cabinet** (full-size cabinet with pedestal)
- **401-P – Pole-Mount Cabinet** (compact elevated installation)

Both variations share the same design DNA and quality standards, with optimized form factors for different field applications.

Description

The **Type 401 FTMS Cabinet Family** is designed to support a wide range of traffic and ITS applications, offering:

- Rugged **marine-grade aluminum construction** with powder-coat finish
- Weather-resistant, insulated design for harsh Canadian conditions
- Standardized **FTMS/ATMS security locks**
- Integrated **fan and heater systems** with Model 500D thermostat
- Flexible equipment mounting with **19″ EIA racks**, adjustable shelving, and multiple accessory options

- Easy serviceability with wide-opening vandal-resistant doors
- Configurations optimized for cameras, detectors, ramp control, and communication nodes

The **401 (Base-Mount)** is ideal for complex equipment installations requiring maximum space.

The **401-P (Pole-Mount)** is ideal when compact or elevated roadside installations are preferred.

Type 401 – Base-Mount FTMS Cabinet

A full-size, ground-mounted cabinet designed for large ITS deployments.

Highlights

- 5052 marine-alloy aluminum
- Polyester powder-coat finish (custom colours available)
- Vandal-resistant door with robust handle and padlock provision
- Fully insulated with closed-cell neoprene gaskets
- Crowned roof with guttered overhang
- Thermostatically controlled **fan & heater**
- Includes **Model 500D digital thermostat**

Available Models

- **401C** – optimized for camera equipment
- **401D** – optimized for detectors
- **401S** – for shelf-mounted equipment
- **401R** – for ramp metering and ramp control

Designed to provide maximum interior space and stability for large controllers, communication equipment, networking hardware, and power distribution assemblies.

Type 401-P – Pole-Mount FTMS Cabinet

A compact, rugged cabinet designed for pole-mounted or space-constrained roadside applications.

Highlights

- 1/8″ (3 mm) 5052-H32 marine-grade aluminum
- NEMA 3R rated
- Dual vandal-resistant insulated doors
- Crowned roof with guttered overhang
- Integrated pole-mounting hardware
- 180° door opening for service access
- Removable air filter + three-point locking system
- Fan & heater assemblies with **Model 500D thermostat**
- Interior service lamp with LED option (25 W / 2550 lumens)
- Pre-punched knockouts for conduit entry
- Optional **pull-out laptop shelf**, DIN-rail panel, or EZ Router

Designed for detection stations, camera sites, compact controller locations, and communications nodes.

Specifications

Construction

Common Features (Both Models)

- Marine-grade aluminum construction
- Polyester powder-coat finish
- Interior Styrofoam insulation
- Closed-cell neoprene door gaskets
- FTMS/ATMS-standard security locks
- Crowned roof with guttered overhang
- Thermostatically controlled fan & heater (Model 500D thermostat)

401 – Base-Mount Cabinet

- Constructed from **5052 marine-alloy aluminum**
- Heavy-duty **vandal-resistant door** with robust 7″ handle
- Padlock provision for additional security
- Large single-door configuration
- Designed for pedestal mounting
- Powder-coat finish with optional custom colours

401-P – Pole-Mount Cabinet

- Built from **1/8″ (3 mm) 5052-H32 marine-grade aluminum**
- Rated **NEMA 3R** for roadside exposure
- Dual vandal-resistant doors with **three-point latching**
- Doors open **180°** for improved service access
- Removable door filter for ventilation maintenance
- Integrated **pole-mounting hardware** included
- Optional interior trouble lamp (LED 25 W available)

Dimensions

401 – Base-Mount

- Cabinet: **68″ H × 24″ W × 30″ D**
- Pedestal: **8″ H × 24″ W × 30″ D**

401-P – Pole-Mount

- Compact form factor suitable for roadside poles
- Standard 19″ rack mounting

Environmental Controls

Both variations include:

- **Model 500D digital thermostat**
- Thermostatically controlled **fan and heater**
- Interior lining for thermal stability
- Optional interior trouble lamp (401-P)

Electrical System

401 – Base-Mount

- Input power: **95–135 VAC, 60 Hz**

401-P – Pole-Mount

Includes a comprehensive **service panel** with:

- 30 A maintenance switch
- Transient & lightning protection
- Power Distribution Assembly with:

    - 20 A main breaker
    - 15 A service breaker
    - 15 A environment breaker
    - 15 A equipment breaker
    - Filtered duplex receptacles for equipment
    - Service receptacles

- 19″ rack-mount **power bar (6 outlets)**

Equipment Mounting & Options

Both Cabinets

- **19″ EIA equipment rack**
- Adjustable shelves
- Multiple wiring and mounting configurations
- Documentation pouch
- Thermostat, fan, and heater assemblies

401-P Enhancements

- Optional pull-out laptop / drawing shelf (Caltrans style)
- Optional DIN-rail mounting panel
- Optional EZ Router antenna interface

Applications

The 401 Series is ideal for:

- Freeway Traffic Management Systems (FTMS)
- Advanced Traffic Management Systems (ATMS)
- Ramp metering sites
- Vehicle detection & classification
- Camera installations
- Communications and networking nodes
- Data collection stations

For more information: 1 800 363-5913

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