NOVAX
INDUSTRIES CORPORATION

TRAFFIC CONTROLLERS

2300F Series Traffic Controller

Novax Traffic Control Cabinets are well-known for durability, ruggedness, compatibility and workmanship. Available in a variety of sizes, Novax cabinets can be supplied with custom finishes that enhance the urban landscape. The "ORCA" finish shown is one of several custom finish options.

Novax can configure any cabinet with all the necessary equipment for a particular location, minimizing procurement and implementation complications. Whether you need a single replacement cabinet or a complete overhaul for an entire municipality, Novax has the experience and expertise to handle all your traffic cabinet requirements.

2300F Traffic Controller Key Features

- A powerful, cost effective replacement for electromechanical equipment.
- Directly retrofits existing 24" Type-F Controller Cabinets.
- State-of-the-art Model 6905 Controller for simple to complex intersection control.
- Compact modular design.
- Central system ready.
- Solid-state technology designed for reliable long-term outdoor operation in harsh environments.
- The basic mainframe houses:
  - 6 Model 200 Load Switches
  - 1 Model 204 Flasher
  - 1 Novax 8-channel Conflict Monitor
  - Modular power supply
- All components are designed to be interchangeable.
- Extended versions can be provided as required with increased load switch capacity.
- Insert version can include insulated spacers on back to fit customer supplied cabinet.

TRAFFIC CONTROLLERS

6905 Series Traffic Controller

GENERAL

Dimensions

CBD: 12.5W" x 2.75"D x 7.25"H

NEMA: 14"W x 6.8"D x 10.4" H

170: 19"W x 6.4"D x 7"H

Power Requirement 115 VAC +/- 20 VAC, 60 Hz

Weight: Approx. 7.25 kg (16 Lbs)

All Circuit Boards conformally coated to guard against moisture.

All component are CMOS for low power consumption.

All components meet NEMA temperature specifications.

ADVANCED TRAFFIC SIGNAL OPERATION:

Maximize traffic flow with Automatic Coordination & extensive detector configuration features.

Efficiently respond to incidents by Automatic Adjustment of traffic flow to clear heavy traffic.

Custom Intersection configuration:

Advanced physical Input and Output fully assignable to any logic Input and Output.

Flexible barrier setup, for infinite number of intersection configurations.

Advance Warning feature for early driver alert of approaching signal.

Advanced Detector Configuration features Full Boolean logic equations.

Accurate Interval and Cycle timing in Percentage to 0.1% Resolution.

Permissive, Force & Yield points auto-calculated.

Automatic Independent / System control operation.

Smart-way short offset seeking method.

Special Intersection Signal operation with Vehicle and Pedestrian Overlaps.

TRAFFIC MANAGEMENT SYSTEM

Built-in CICU for System communications (No Out-station Traffic Unit required).

Built-in MODEM with 1200 Baud FSK with High Speed (7mS) Line-turnaround.

System monitoring of operation with event logging.

System faults logged and reported.

User definable System and equipment faults.

Support TRAP & GEC System Protocols (NTCIP future).

NEMA TS2 Port 1 Hardware Support.

TIME OF DAY FEATURES

Time of Day Controller for optimized traffic flow with Free, Absolute and Relative Timing Modes.

Event Scheduler: 24 Events, 16 Daily & 16 Weekly Schedules, 53 weeks, 48 Holiday programs

Special Function Output control for special event signing and multi-purpose applications.

ACCESSIBLE PEDESTRIAN SAFETY

Pedestrian Synchronization feature provides compatibility with Accessible Signal

Special sound-inhibit operation during left turn phases.

TRANSIT PRIORITY

Four Transit Priority Directions (4 Request Inputs and 4 Cancel Inputs)

Efficient, optimized transit signal priority operation.

Two Priority methods:

Priority Zone detection (separate Request & Cancel) or

Single point (Request Only) detection without additional hardware.

Combination of methods to provide transit priority without adversely affecting traffic flow & coordination:

independent request and cancel inputs for precise priority zone demarcation.

Automatic vehicle extension termination.

Automatic or manual cancellation of priority request.

Maximum, Delay and Hold Timer functions.

Optimized Time recovery maintains coordination.

Event reporting on priority request malfunction.

Minimum Time before re-service.

Definable Exit Phases and Disabled Phases.

PREEMPTION

8 Preemption Inputs can be set as Emergency or Rail.

Maximum, Delay, Hold Timer and Locking functions.

Event reporting on priority request malfunction.

Definable Exit. Hold and Disabled Phases.

Over-Track Rail clearance app. w/Timed Overlaps.

User definable Overlap Operation for: Normal, Lead & Lag with separate timing for: Delay, Red and Yellow signals.

Products may not be exactly as shown.

NOVAX INDUSTRIES CORPORATION
658 Derwent Way, New Westminster, BC, Canada V3M 5P8
Tel: 604.525.5644 Fax: 604.525.2739
E-mail: general@novax.com

www.novax.com