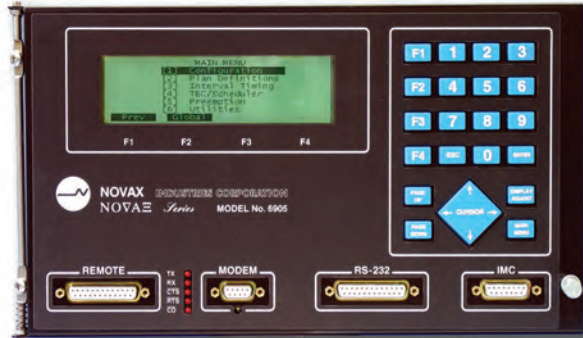




TRAFFIC CONTROLLER **6905 Series**

The Novax 6905 Series Traffic Controller the power and flexibility to meet the most demanding signalization requirements.



6905 Central Business District (CBD) Model

Key Features

- Menu Driven Graphical Display
- Extensive Programming and Diagnostic Capabilities
- NEMA, 170-Rackmount & CBD Models
- Internal /External Modem
- System Interfaces: SCOOT, TRAP, CTMS, MTCS
- PC Setup Software with Windows™ Interface



6905 Type 170 Rackmount



6905 NEMA

The 6905 Series Traffic Controller features a LCD screen for monitoring and adjusting controller setup with standard traffic terminology. In combination with an advanced menu system, the LCD screen enables rapid programming of even complex intersections.

The dedicated Novax 6905 software allows easy setup on a Windows™ PC with upload and download capability, and printing of the traffic controller configuration data. All programming and timing information can be entered in a Windows™ environment with extensive copy and paste options.

With a broad array of system interfaces and physical configurations, the Novax 6905 Traffic Signal Controller is compatible with any traffic control network.



TRAFFIC CONTROLLER

6905 Series

SPECIFICATIONS

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.

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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.

Specifications subject to change without notice.

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