820A VMS
Traffic Controller

U.S. Traffic Corporation

Features & Benefits

- Interfaces with IDC Multisonics VMS-330 vehicle management system
- Exceeds NEMA TS-1 1983 standards
- One programmable railroad preemption sequence
- Four programmable emergency vehicle preemption sequences
- Graphic Intersection Display for easy monitoring
- Easy-to-follow data entry and display
- 2-8 vehicle and 2-8 pedestrian phases, 1-4 overlaps
- Time based coordination
- Enhanced detector programming and input capability
- MUTCD flash
- 16 intersection detectors
- Dimming by phase-overlap indication
- Two special function outputs
- Interfaces to serial printer for database printout

The 820A Series from IDC Multisonics represents the most advanced, versatile, and effective traffic controllers in the industry. To enhance flexibility, the 820A will support various firmware configurations which fulfill the demand for expanded features and options.

IDC's 820A VMS controllers feature an alphanumeric user-friendly display for easy data entry, as well as a Graphic Intersection Display of NEMA-required items viewable during editing of the 820A's database. Programming has never been easier with the menu-driven selections in traffic engineering terms.

Specifications

820A VMS

The 820A VMS is designed for use in a system controlled by the IDC Multisonics VMS-330. The VMS-330 provides centralized control, monitoring, and database management for up to 256 controllers such as the 820A VMS. Detector switching, extension, and delay are internally controlled. Each detector input on the 820A VMS may be used as a Type 3 detector input. Dimming is activated by either time clock or external input. The 820A VMS features MUTCD flash, and offers time based coordination using 150 events. The events are structured into 16 day plans, 10 week plans, one year plan, 30 exception days, and 16 holidays. In addition, two special function outputs may be controlled by time clock.

820A VMS Firmware

With Modem for Communications: 006922-5BLT

With Dual RS-232 Ports: 006922-7BLT

Specifications 820A VMS

Control: .2 to 8 vehicle phases, 2 to 8 pedestrian phases, 1-4 overlaps

Modules: .Master processing unit, Input/output with NEMA connections, Display with keyboard, Power Supply

Programming: .Menu-driven keyboard entry

Inputs/outputs: .NEMA standard

Cabinet Dimensions: .17.7" W x 10.2" H x 6.6" D, (45cm W x 26cm H x 17cm D)

Power: .95-135 VAC @ 60 Hz

Weight: .17.5 lbs (7.9 kg)

PCB's:. NEMA FR-4 glass epoxy, 1/16" minimum thickness

Connectors:. Four (4) MS connectors

Circuitry:. Low power CMOS, Nonvolatile EEPROM data

Ambient Temperature: -30°F to +165°F, (-34°C to 74°C)

Indicators: .LCD intersection display, 32 character alphanumeric