SIEMENS

SE-MARC - Closed-Loop Master Controller Software
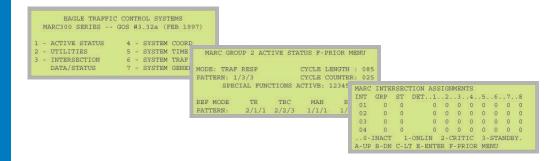

EAGLE M51 and M52 (with fiber modem) controllers.

Siemens ITS' SE-MARC Closed-Loop Master Software drives the coordinating master in a closed-loop traffic control system. SE-MARC software combines system management control, monitoring, and data collection capabilities for up to thirty-two (32) intersections. One master controller with SE-MARC software can control and supervise the Traffic Program Selection for two (2) independent groups.

Siemens ITS now offers its versatile SE-MARC Closed-Loop Master Software on the EAGLE MARC, 2070 ATC, M50 Series NEMA controller, and the ATC^{NX} controller.

The SE-MARC Closed-Loop Master Software is fully compatible with EAGLE local controllers, and provides continuous real-time monitoring and reporting of conditions for each interconnected ATC^{NX} or 2070 ATC (with SE-PAC software), EPAC M40/M50 (actuated), or EPIC (interval) controller.

The friendly, English language-based user interface allows full system access from the on-street master or from an optional central office site via Siemens ITS' MARC^{NX} or ACTRA Windows-based central system software packages. The remote access allows master and local intersection programming and monitoring, providing improved programming efficiency while reducing errors.

Intelligent Transportation Systems

SYSTEM CONTROL

- MARC/2070ATC/M50 Series based
- Thirty-two (32) Local Intersections
- Two (2) Independent Traffic Control Groups
- Sixty-four (64) System Detectors
- Forty-Eight (48) Traffic Coordination Patterns
- Sixteen (16) Timing Plans with Cycle Length, Splits, & Offsets
- Priority Based Program Selection (Manual, Remote, Time Based, Traffic Responsive)
- Common Group Sync Reference (Crossing Arterials)
- Group Traffic Responsive Operation
- Matching Program Technique (based on V+O)
- Group Time Based Traffic Operation
- One hundred eighty (180) Event Capacity
- Ten (10) Week & Ninety-nine (99) Day Programs
- Group Time Based, Manual and Remote Traffic Plans

SYSTEM PARAMETER MODIFICATION & ENTRY

- Display/Modify Field Master Parameters
- Display/Modify ALL Local Intersection Parameters
- Remote Timing Modification
- Remote System Parameter Modification and Entry

REPORT GENERATION

- System Data Reporting by User Request
- Reports Output via Hard Copy
- Reports Uploaded to Central

SYSTEM LOGGING

- Automatic and Continuous Alarm Logging
- System Detector Status
- System Program Changes
- Traffic Responsive Computations

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