

Master Closed-Loop Software



EAGLE now offers its versatile SE-MARC Master Closed-Loop Software on the 2070ATC controller unit, allowing one model of controller to serve as either a master controller or a local controller.

EAGLE's SE-MARC Master Closed-Loop 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 32 intersections. One master controller with SE-MARC software can control and supervise the Traffic Program Selection for two (2) independent groups.

The SE-MARC Master Closed-Loop Software is fully compatible with EAGLE's local controllers, and provides continuous real-time monitoring and reporting of conditions for each interconnected EPAC (actuated), EPIC (interval), MAGNUM equipped Type 170 intersection, or 2070ATC (with SE-PAC software) 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 EAGLE's 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.

EAGLE TRAFFIC CONTROL SYSTEMS			
MARC300 SERIES -- GOS #3.			
1 - ACTIVE STATUS	4 - S	MARC GROUP 2 ACTIVE STATUS F	
2 - UTILITIES	5 - S	MODE: TRAP RESP	CYCLE
3 - INTERSECTION	6 - S	PATTERN: 1/3/3	CYCLE
DATA/STATUS	7 - S	SPECIAL FUNCTIONS ACTIVE:	
		REF MODE	TR TBC MAN
		PATTERN:	2/1/1 2/2/3 1/1/1 1/1/1

MARC INTERSECTION ASSIGNMENTS												
INT	GRP	ST	DET	1	2	3	4	5	6	7	8	
01	0	0		0	0	0	0	0	0	0	0	
02	0	0		0	0	0	0	0	0	0	0	
03	0	0		0	0	0	0	0	0	0	0	
04	0	0		0	0	0	0	0	0	0	0	
..0-INACT 1-ONLIN 2-CRITIC 3-STANDBY.												
A-UP B-DN C-LT E-ENTER F-PRIOR MENU												

SYSTEM CONTROL

- ✚ MARC/2070ATC based
- ✚ 32 Local Intersections
- ✚ 2 Independent Traffic Control Groups
- ✚ 64 System Detectors
- ✚ 48 Traffic Coordination Patterns
- ✚ 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
- ✚ 180 Event Capacity
- ✚ 10 Week & 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