

Model 980 ATC Traffic Controller with Ethernet & USB



Traffic Responsive Master/Secondary

The Series 900 ATC Traffic Signal Controller is designed using state of the art electronics to ensure reliability, a long life, and superb performance in all signal control applications.

Design of the Series 900 ATC Controller is based on the ATC and NEMA TS2 standards and includes advanced functionality for complex phasing, detector processing, coordination, preemption, communications, adaptive timing, and systems operation as a master or a secondary controller.

The advanced LCD display and menu-driven software provide a user-friendly approach to programming and access. Built-in diagnostics permit rapid evaluation of operational status. The on-board Flash File System allows software upgrades without PROM replacements. The front panel mounted USB port facilitates the upgrade process and file access with ease. The Ethernet-enabled controller allows communication across a TCP/IP network.



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Features

FLASH FILE SYSTEM	The Series 900 Controller is easily configured to various firmware versions through the utilization of Flash File System, which eliminates the need for obsolete EPROM technology. A complete traffic controller firmware update requires only seconds. No hardware changes or EPROM replacements are required.
MASTER/SECONDARY	Operation in a Closed Loop System requires only one Series 900 Controller to be located at the master cabinet. Both the master and secondary functions are simultaneously provided by a single controller.
DISPLAY	A backlit, 8-line by 40-character LCD display provides full-menu screens for eased data entry. Optimum contrast and brightness are automatically maintained by temperature-compensating circuitry. The menu-driven format and context sensitive help screens eliminate the need for special codes or front panel identification characters.
EASILY SERVICED	The modular design of the Series 900 Controller allows quick sub-assembly level problem isolation. Printed circuit board components are clearly labeled with silk-screen. No specific tools or extender cards are needed for troubleshooting.
REAL-TIME CLOCK	The real-time clock maintains accurate timing by utilizing a "super capacitor" and crystal-controlled circuitry, which allows for 0.005% accuracy.
BARRIERS	Unique to the Trafficware traffic controller product line is the flexibility of user programmable barriers. Four (4) separate barriers allow programming for applications from one (1) to eight (8) phases in each barrier.
KEYBOARD	A custom 23-key keypad containing four (4) red function keys, ten (10) white numeric keys, seven (7) cursor and menu navigation keys, and two (2) LCD contrast adjustment keys.
DIAGNOSTICS	Built-in diagnostics provide for improved maintenance and easier repairs. It allows operator tests on all input and output signals, RAM devices, memory, LCD, keypads, etc.
COMMUNICATIONS	Four (4) EIA-232 ports are available. These ports are keyboard programmable with selectable baud rates up to 115K with full and half duplex options. Various communication configurations allow the user multiple interfaces to other cabinet devices: conflict monitor, preemption equipment, detectors, WWV clocks, modems, notebooks, printers, etc.
ETHERNET	10/100 Mbps port with LED indicators. TCP/IP supported.
USB	Ordinary USB memory devices can be inserted into the port for software upgrades, configurations, and file retrievals.

Voltage: 89 to 135 VAC
Frequency: 60 +/- 3 Hz
Temperature: -30° F to 165° F
Humidity: 5 to 95 percent
Dimensions: Height: 10.50"
Width: 14.75"
Depth: 8.38"

