ASC/2M-1000

The ASC/2M-1000 is a powerful on-street arterial system master that commands up to 24 traffic controllers via telemetry interconnect.

About *ASC/2M*

The traffic signal controller is one of the most important components of a transportation system. Playing a crucial role in the safety and management of traffic, it's importance is undeniable. The controller is also at the heart of any intelligent transportation system (ITS), enhancing transportation efficiency and safety.

The *ASC/2M-1000* is a powerful on-street arterial system master that commands up to 24 traffic controllers via telemetry interconnect. It retrieves event, alarm, and diagnostic data from the attached local controller. Selection of the arterial traffic plan may be based on manual command, external input, Time-of-Day (TOD), or Traffic Responsive Plan (TRP) to meet evolving traffic signal strategies.

Controllers interconnected with the *ASC/2M* can be any mix of Econolite models *Cobalt*, *ASC/2* or *ASC/3* Series, ASC-8000, KFT-18/2400, KMC-8000, and 2070 controllers running Econolite's *ASC/2070* firmware, *ASC/3 2070* firmware, or *ASC/3-LX* firmware.

At A Glance

- Stand-alone master or zone master operation in *Aries* network

- System zone control and reporting for up to 24 controllers

- Compatible with *Cobalt*, *ASC/3* or *ASC/2* Series, ASC-8000, KFT-18/2400, KMC-8000, and 2070 controllers running *ASC/2070* firmware or *ASC/3 2070* firmware

- Coordination based on TRP, TOD schedule, manual input, or external command

- Dual-coordination mode for crossing arterial control

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Traffic Plans

- Plan selection from 6 cycles, 5 offsets per cycle, 4 splits per cycle
- Plan Command with up to 32 numbered plans per master

Diagnostics

- Controller diagnostics
- System and local detector diagnostics
- Telemetry diagnostics
- Speed trap diagnostics
- Prioritized alarms and events
- Buffer for 255 events
- System detector log
- 5 dynamic zone status reports to verify system performance

Programming

- Menu-driven data entry
- Keys with audible and tactile feedback
- RS-232 port for programming via laptop
- 3 security levels
- Database upload/download between master, local, and *Aries®* central PC

Communication Alternatives: Master to Controllers

- 4-wire telemetry using 1,200 bps FSK telemetry module
- Fiber-optic interconnect using RS-232 telemetry module
- Radio interconnect, spread spectrum, or narrow-band using RS-232 telemetry module
- Ethernet with internal ASC/2S Ethernet communications module

Capacity per Master

- 24 interconnected controllers
- 32 system detectors
- 8 two-detector speed traps
- 4 system-wide special function outputs

Basic Specifications

- Temperature
  - -34C (-30F) to +74C (+165F)
- Power
  - 120 VAC input and 24 VDC output
- Dimensions
  - 9" x 15" x 9-1/2" (H x W x D)

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