The **CyTime™ Sequence of Events Recorder** from Cyber Sciences monitors the status of 32 channels and records state changes with 1ms accuracy. Up to 8192 events are stored in nonvolatile memory. Two models are available: the SER-3200 features 32 high-speed digital inputs, while the SER-2408 has 24 inputs and 8 relay outputs. An embedded web server enables setup and monitoring over an Ethernet network using a standard web browser. Custom web pages can be created for specific applications and added functionality.

With the **GMR5000 GPS Master Clock** and Modbus TCP communications, integration with supervisory systems such as an electrical power monitoring system (EPMS) is simple.

### SPECIFICATIONS

**Available Configurations**
- SER-3200 – 32 high-speed digital inputs
- SER-2408 – 24 high-speed digital inputs and 8 control relay outputs

**Time Reference Sources**
- PTP (IEEE 1588) Master/Slave via Ethernet (option)
- Primary and secondary NTP servers via Ethernet
- IRIG-B0 or DCF77 via optional EZC
- IRIG-B0 or DCF77 via RS-485 (from another SER)

**High-Speed Digital Inputs**
- Turn on/off time (max.) 0.5 ms / 0.5 ms
- Each input is optically isolated
- 24 Vdc nominal voltage

**Digital Relay Outputs**
- Controllable via Modbus TCP
- Form A solid-state relay
- Normally open, true high signal
- 24 Vdc nominal voltage
- 2.0A rated contacts
- Response time: <0.1 ms OFF to ON, < 0.1 ms ON to OFF

**Other Features**
- Embedded web server
- LCD display and keypad
- 4 GB memory
- Trigger relay output contact closure duration: 100 ms
- Status available via LCD, Modbus TCP and Web page
- Standard DIN-rail mount hardware

**Other Options**
- 32 GB memory option
- EZ Connector for IRIG-B or DCF77

**Power, Physical Dimensions, Operating Parameters**
- DC input (24 Vdc), 10 W max
- Size: 11.25 x 4.75 x 3.13 in (286 x 121 x 79 mm)
- Weight: 3.0 lb (1.4 kg)
- Temperature: -25 to 70°C
- Humidity: Up to 95% (non-condensing)

**Compliance**
- FCC, ROHS, CE Marked, UL, cUL, RCM

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**MASTERCLOCK, INC.**

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