



**FEATURES**

- **2 Year Warranty**
- **UL Listed**
- Internal clock accuracy of ±1 minute per year
- Automatic Daylight Saving Time & Leap Year correction
- Control of up to 6 signal circuits
- Control of 1 clock circuit
- Ethernet option provides remote programming capability for signal circuits using Remote Connect web interface
- Field upgrades via USB flash drive

**SPECIFICATIONS**

- Input Voltage to Power Adapter:..... 100-240vac, 50/60 Hz
  - Output Voltage from Power Adapter:..... 12.0 ±0.6 vdc
  - Peak Input Power:..... 10 watts
  - Nominal Power: ..... 2.5 watts
  - Fuse: (Input Power) ..... 8 amps, 250vac, Subminiature
  - Standby Timekeeping: ..... 10 years
  - Memory/Time Backup: ..... CR2032 lithium battery, 240 mAh capacity
  - Timekeeping Accuracy: ..... ±1 minute/year without correction from Ethernet time reference
  - Program Retention:..... Unlimited
  - Programmable Events:..... 9,999 events total
  - Schedules:..... 99 maximum
  - Signal Duration:..... Programmable 1-9 seconds or continuous On
  - UL Listed: ..... File #E157522
  - Optional Clock Circuits (1): ..... Dry contacts rated at 250vac, 8 amps resistive, 5 amps inductive
  - Clock Circuit Fuses (2): ..... 8 amps, 250vac, subminiature
  - Optional Signal Circuits (6): ..... Dry contacts rated at 250vac, Continuous: 7.5 amps resistive, 5 amps inductive, 50% duty cycle\*: 10 amps resistive
  - Physical Dimensions:..... 5"h x 16<sup>7</sup>/<sub>8</sub>"w x 8"d
  - Temperature Range: ..... 32°-140°F (0°-60°C)
  - Mounting: ..... Desktop or rack mount
  - Shipping Weight:..... 7<sup>1</sup>/<sub>2</sub> ± 1<sup>1</sup>/<sub>2</sub> lbs.
  - Display:..... 128 x 64 graphics LCD
  - Keypad: ..... 16 button tactile feedback membrane switch
- \*50% duty cycle is defined as all signal relays on for one minute, off for one minute, repeating

## ORDERING INFORMATION

Part #	Description
<b>No External Time Source</b>	
SSQMSTR-00X2B	1 clock circuit
SSQMSTR-00X6B	6 signal circuits
SSQMSTR-00X8B	1 clock circuit/6 signal circuits

### With Ethernet Option

SSQMSTR-00X2E	1 clock circuit
SSQMSTR-00X6E	6 signal circuits
SSQMSTR-00X8E	1 clock circuit/6 signal circuits

### With CDMA Option

SSQMSTR-00X2C	1 clock circuit
SSQMSTR-00X6C	6 signal circuits
SSQMSTR-00X8C	1 clock circuit/6 signal circuits

### With Standard GPS Option

SSQMSTR-00X2G	1 clock circuit
SSQMSTR-00X6G	6 signal circuits
SSQMSTR-00X8G	1 clock circuit/6 signal circuits

### With GPS Plus Option

SSQMSTR-00X2P	1 clock circuit
SSQMSTR-00X6P	6 signal circuits
SSQMSTR-00X8P	1 clock circuit/6 signal circuits

## Optional Rack Mount Kit

Part # H004137

Kit Includes: 2 ears, 8 screws, installation instructions

**Construction:** 18 gauge steel

**Finish:** Powder coated black



## SYNC OPTIONS

**Standard GPS Option:** This option provides time synchronization via the Global Positioning System (GPS). The 15 ft. GPS cable can be extended up to 100 ft. with extensions. See specifications on Page 3.

**GPS Plus Option:** This option provides time synchronization via the Global Positioning System (GPS). The option includes weather-tight, non-corrosive connections for outdoor installation and can be extended further (up to 1500 ft.) than the Standard GPS option. See specifications on Page 3.

**Ethernet Option:** This option provides time synchronization via Simple Network Time Protocol (SNTP) or Daytime Protocol from Internet Time Servers or an internal Network Time Server. It eliminates the need to mount an outside receiving antenna.

The Ethernet option also includes the Remote Connect web server, which enables event programming, circuit selection and activation and other system features remotely accessed via web browser from a computer.

**CDMA Option:** This option provides time synchronization via Code Division Multiple Access (CDMA). This is often used in the mobile telephone industry. It eliminates the need to mount an outside antenna. There are no cell phone tower service fees for the CDMA time signal.

## Standard GPS Option Receiver H003738X

For best results, mount the GPS antenna to an outside wall or to a mast on the roof with a clear view of the sky. The location should be unobstructed by trees, branches, power lines and other buildings, etc.

### SPECIFICATIONS

- Input voltage: ..... 4.0 -5.5vdc
- Input current: ..... 60mA @ 5vdc
- Baud rate: ..... 4800
- Color: ..... Black
- Size: ..... .750" thick x 2.375" diameter with  
15 ft. vw-1 Rated cord
- Weight: ..... 115.6 grams
- Connector plug-in: ..... RJ45
- Operating temperature: ..... -22°F to 176°F (-30°C to 80°C)
- Storage temperature: ..... -40°F to 194°F (-40°C to 90°C)
- Cable extensions: ..... Optional: 25 ft., H001840, CMX Rated  
50 ft., H001841, CMX Rated  
50 ft., H001841P, Plenum Rated  
75 ft., H001842, CMX Rated  
100 ft., H004340P, Plenum Rated



## GPS Plus Option Receiver H000834

This option provides time synchronization via the Global Positioning System (GPS). The option includes weather-tight, non-corrosive connections for outdoor installation and can be extended further (up to 1500 ft.) than the Standard GPS option.

### SPECIFICATIONS

- Input voltage: ..... +8V - +36 volts DC unregulated
- Input current: ..... 70mA maximum
- Communication: ..... RS422
- Baud rate: ..... 9600
- Color: ..... White
- Size: ..... 4 in. deep x 3 in. high (102mm x 76mm) with  
..... 20 in. pigtail and 50 ft. extension
- Weight: ..... 14 oz. (0.4 kg)
- Housing material: ..... Cylolac ABS Radome, Aluminum base
- Connector plug-in: ..... Deutsch MMP21-2212S1 (12-pin Male)
- Operating temperature: ..... -40°F to +167°F (-40°C to +75°C)
- Storage temperature: ..... -40°F to +185°F (-40°C to 85°C)
- Relative humidity: ..... 85% non-condensing at -22°F to +140°F  
..... (-30°C to +60°C)
- Cable extensions: ..... Optional 50 ft. extensions (H000818)
- Max. extension cable length: .... 1500 ft. (457m) total



All external components are U/V stabilized for extended exposure to the sun and the elements.

All cables include shrink tubing for sealing connections.

At American Time we continually strive to improve our products to meet our customers' needs and to provide the best possible value. The above specifications are believed to be correct, are subject to change without notice and may otherwise vary from the above. Please call if you need verification of any specifications or the suitability of a particular product for a particular application.

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