

FEATURES

- **2 Year Warranty**
- **UL Listed**
- Guaranteed coverage with one transmitter
- Multiple sync options: GPS, CDMA, Ethernet
- Automatic Daylight Saving Time & Leap Year correction
- Control of up to 6 signal circuits
- 100% FCC compliant with shared licensing
- Available with 5 and 10 watt internal transmitters
- Time Zone clock support for up to 8 unique time zones
- Field upgrades via USB flash drive



SYSTEM CONTROLLER SPECIFICATIONS

- Input voltage to power adapter: 100-240vac, 50/60 Hz
- Output voltage from power adapter: 12.0 ±0.6 vdc
- Peak input power: 5 watt-45 watts
10 watt-65 watts
- Average power: 5 watt-15 watts
10 watt-21.7 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 GPS or 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 16⁷/₈" w x 8" d
- Temperature range: 32°-140°F (0°-60°C)
- Mounting: Desktop or rack mount
- Communication: Ethernet, RS-422 (GPS Plus), RS-232 (Std GPS), Contact Closure Sync (2-wire)
- Shipping weight: 7¹/₂ ± 1/2 lbs.
- Display: 128 x 64 graphics LCD
- Keypad: 16 button tactile feedback membrane switch
- RF frequency range: 450-470 MHz
- Channel Spacing: 12.5kHz

*50% duty cycle is defined as all signal relays on for one minute, off for one minute, repeating

Optional Rack Mount Kit

Part # H004100
Kit Includes: 2 ears, 8 screws, installation instructions

Construction: 18 gauge steel
Finish: Powder coated black



ORDERING INFORMATION

The following table shows the options included with each model number. Change the **W** in the model number to indicate the power for the transmitter (00=none, 05=5 watts, 10=10 watts internal transmitter). The magnetic mount antenna is standard with 5 & 10 watt models. If your application requires the campus antenna, change the **N** in the model number to **C**. Change the **S** in the model number to indicate the number of clock and signal circuits (0, 2, 6 or 8) that are required.

Example 1: SSQMSTR-05N0G has a 5 watt transmitter, 0 signal circuits and includes the Standard GPS sync option.

Example 2: SSQMSTR-10C2E has a 10 watt transmitter, a campus antenna, 1 clock circuit, 0 signal circuits and includes the Ethernet sync option.

Example 3: SSQMSTR-10N8C has a 10 watt transmitter, 1 clock circuit, 6 signal circuits and includes the CDMA sync option.

Model No.	Standard GPS	GPS Plus	Ethernet	CDMA	Wireless Sync	2-Wire Sync
SSQMSTR-WNSB						X
SSQMSTR-WNSGE	X		X			
SSQMSTR-WNSG	X					X
SSQMSTR-WNSP		X				X
SSQMSTR-WNSPE		X	X			
SSQMSTR-WNSC				X		X
SSQMSTR-WNSCE			X	X		
SSQMSTR-WNSE			X			X
SSQMSTR-WNSW					X	X

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.

Wireless Sync Option: This option allows one SiteSync IQ System Controller to synchronize another, wirelessly. This option includes an attached wireless receiver on the receiving unit. A common application for this option is a wired bell or tone system in an area remote from the transmitting unit.

Contact Closure (2-wire) Sync Option: This option allows a SiteSync IQ System Controller to be synchronized with existing equipment with a contact closure. This type of synchronization can also be implemented between two SiteSync IQ System Controllers.

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.

Wireless Internal/External Magnetic Transmitting Antenna H001263

SPECIFICATIONS

- 3/4" style chrome magnetic base with 12' of RG58A/U
- Magnet is rated at 90 lbs. pull strength
- Frequency range:450-470MHz
Center frequency: 460MHz
- VSWR:.....<1.5:1 850KHz <1.5:1 10MHz
<2.0:1 1.5MHz <2.0:1 20MHz
- Size:Antenna length: 3 1/2"h / 2 3/4"w
Antenna unattached: 3 5/8"h
Total height assembled: 4 1/4"h
Base diameter: 3 3/16"
- Maximum power:150 watts
- Impedance:50 ohms
- Polarization:Vertical
- Antenna mounting: ...3/4" screw base
- Termination:Male BNC-type
connector
- For indoor and outdoor use



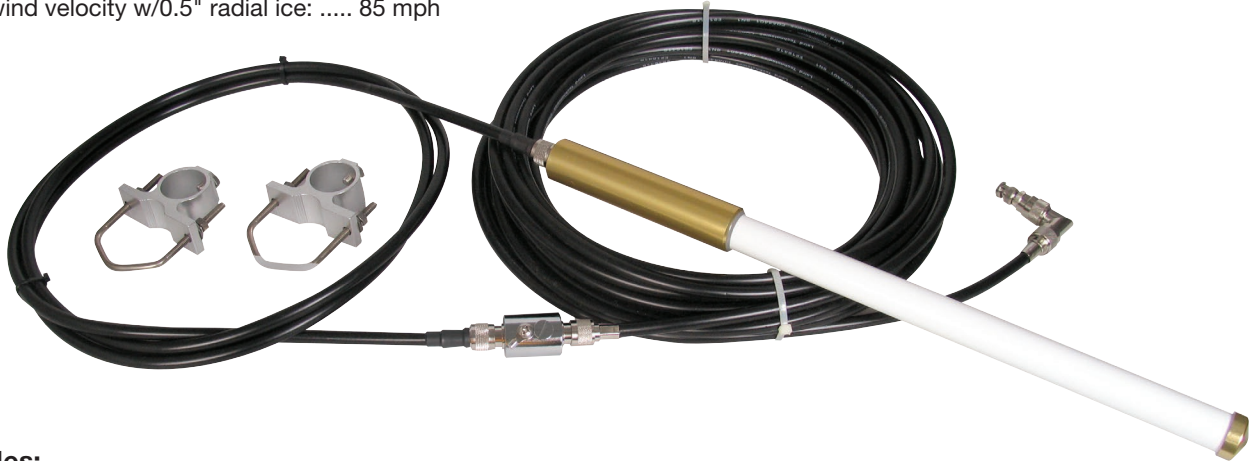
Wireless Campus Transmitting Antenna H002978T

Antenna Specifications

- Frequency range: 450-470 MHz
- VSWR: <1.5:1
- Nominal gain: 0 dBd
- Nominal impedance: 50 Ohms
- Polarization: Vertical
- Pattern: Omni-Directional
- Antenna lighting protection: DC ground
- Termination: N-Female connector
- Height: 25"
- Width: 1³/₈"
- Weight: 0.85 lbs.
- Rated wind velocity: 125 mph
- Rated wind velocity w/0.5" radial ice: 85 mph

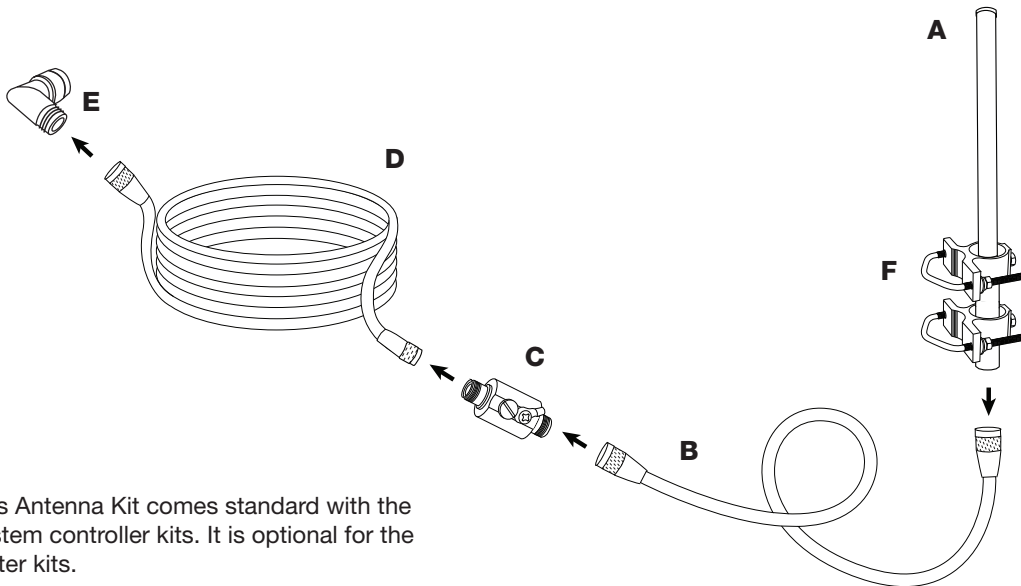
Lightning Arrester Specifications

- Breakdown voltage: 350vac
- Protection: 5000 Amps
- Maximum power: 1000 watts
(0-1000 MHz)



Kit Includes:

- A. Heavy-duty, outdoor type 26 in. fiberglass antenna
- B. 10 ft. RG-8/U COAX cable
- C. Lightning Arrester
- D. 50 ft. RG-8/U COAX cable
- E. N female to N male right angle adapter
- F. Mounting kit



Note: This Campus Antenna Kit comes standard with the 25 and 40 watt system controller kits. It is optional for the 5 and 10 watt master kits.

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. © American Time