



SiteSync IQ[®] Wireless System Controller Kits 5 and 10 watt

Control and streamline management of synchronized wireless and wired clocks (or a combination of both), bells, lights, and door locks with the SiteSync IQ wireless clock system.

FEATURES

- 5 Year Warranty
- Guaranteed coverage with one transmitter
- Sync options: Ethernet and GPS
- Automatic Daylight Saving Time & Leap Year correction
- Control of up to 6 signal circuits
- 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

Dimensions	5" h x 16.875" w x 8" d
Shipping weight	7.5 ± .5 lbs.
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 controller – 45W 10 watt controller – 65W
Average power	5 watt controller – 15W 10 watt controller – 21.7W
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
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)



System Controller specifications continued on next page.

SYSTEM CONTROLLER SPECIFICATIONS (CONTINUED)

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

WIRELESS INTERNAL/EXTERNAL MAGNETIC TRANSMITTING ANTENNA (H001263) SPECIFICATIONS

Base	3/4" style chrome magnetic with 12' RG58A/U
Magnet rating	90lbs pull strength
Frequency range	450-470 MHz
Center frequency	460 MHz
VSWR	<1.5:1 850KHz <1.5:1 10MHz <2.0:1 1.5MHz <2.0:1 20MHz
Antenna length	3 1/2" h x 2 3/4" w
Antenna unattached	3 5/8" h
Total height assembled	4 1/4" h
Base diameter	3 3/8"
Maximum power	150W
Nominal impedance	50 Ohms
Polarization	Vertical
Antenna mounting	3/4" screw base Indoor/outdoor
Termination	Male BNC-type connector
Rated wind velocity	125 mph



WIRELESS TRANSMITTING ANTENNA (H002978T) SPECIFICATIONS

Dimensions	25"h x 1.375"w
Shipping weight	.85 lbs.
Frequency range	450-470 MHz
VSWR	<1.5:1
Nominal gain	0 dBd
Nominal impedance	50 Ohms
Polarization	Vertical
Pattern	Omni-Directional
Antenna lightning protection	DC ground
Termination	N-Female connector
Rated wind velocity	125 mph
Rated wind velocity w/0.5" radial ice	85 mph



LIGHTNING ARRESTER SPECIFICATIONS

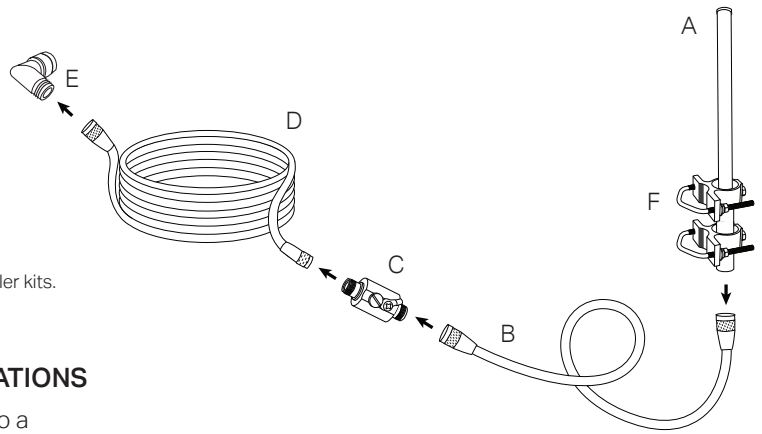
Breakdown voltage	350vac
Protection	5000 Amps
Maximum power	1000 watts (0-1000 MHz)

Wireless transmitting antenna continued on next page.

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 30 watt system controller kits. It is optional for the 5 and 10 watt master kits.



Standard GPS Option Receiver (H003738X) SPECIFICATIONS

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.

Dimensions	.750" thick x 2.375" diameter with 15 ft. vw-1 Rated cord
Weight	115.6 grams
Input voltage	4.0 -5.5vdc
Input current	60mA @ 5vdc
Baud rate	4800
Color	Black
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 (H000817) KIT w/50ft Cable SPECIFICATIONS

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.

Dimensions	4.4" deep x 2.17" high (102mm x 76mm) with 20" pigtail and 50 ft. extension
Weight	14 oz. (0.4 kg)
Input voltage	+9V - 32 volts DC
Input current	130mA maximum
Baud rate	9600
Communication	RS422
Color	Black/Dark Gray
Housing material	Cyclocac 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 not pictured)
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.

Optional Rack Mount Kit (H004100)

Kit Includes: 2 ears, 8 screws, installation instructions

Construction: 18 gauge steel

Finish: Powder coated black



ORDERING INFORMATION

Model Nomenclature

SiteSync IQ master clocks are available with a variety of options. The following describes those options and how they make up each model number.

Each model number begins with **SSQMSTR-** followed by these Options:

SSQMSTR-	___	___	___	___	___
	Option 1	Option 2	Option 3	Option 4	Option 5
	Wattage	Antenna	Circuits	Sync	Special

Option 1 – **Wattage**. Indicate the power for the transmitter (**00**=none, **05**=5 watt, **10**=10 watt internal transmitter).

Option 2 – Transmitter **Antenna** Type.

N = Magnetic Mount. Standard with 5 & 10 watt models. Typically mounted on the interior of the building.

C = Campus. Mounts on the exterior of the building (most recommended).

Option 3 – **Circuits**. Indicate the number of clock and/or dry contact circuits.

0 = No bell circuits.

8 = Clocks & bell circuits.

Option 4 – Time **Sync**. One or two characters in model number based on the following:

E = Ethernet. 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.

GE = GPS provides time synchronization via Global Positioning system. Also includes Ethernet connection functionality.

PE = GPS Plus. Includes weather-tight, non-corrosive connections for outdoor installation and can be extended further (up to 1500 ft.) than the Standard GPS option. Also includes Ethernet connection functionality.

Option 5 – **Special**. Not required.

Y = Special Frequency. Please contact Customer Service: 800-328-8996.

X = Other Special Options. Please contact Customer Service: 800-328-8996.

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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