

SMA 3000 Series Master Clock (V2)



Highlights



- LED display for a clear, accurate readout
- Two line, backlit LCD display with 20 characters per line
- Improved 2x8 rubber pushbutton keyboard *NEW*
- (S)NTP Input Capability *NEW*
 - Up to 10 server addresses can be pre-programmed into the unit for continuous, accurate synchronization (with web interface software upgrade)
 - DHCP Capable
- Interfaces with other systems
 - Interfaces with 59 and 58 minute correction, National Time and Rauland, as well as Dukane digital
- 12 or 24 hour mode
- Automatic bi-annual daylight savings time changes (when used as a primary master clock)
- Bias seconds output *NEW*
 - Adjust the time plus or minus a few seconds or minutes to fit your application, while still receiving an input from another source
- Microprocessor based
- RS485 input and output for time correction and synchronization
- Two (2) relays for simultaneous correction of two synchronous-wired clock systems
- Field programmable
- Ten (10) year battery backup for timekeeping

Optional Features a la Carte

- Four or eight configurable auxiliary relays (zones)
 - 800 event capability
 - 255 pre-programmed schedule changes
 - Two (2) programmable signal durations per circuit
- GPS input
- Wireless Transmitter/Repeater for correction of the SAL series analog clocks or SBL series digital clocks
- SNTP Server *NEW*
 - With this software upgrade, the new SMA Master Clock can be used as a SNTP server to interface with other devices
- Web Interface software upgrade *NEW*
 - Extremely intuitive graphical user interface that allows the user to configure all of the settings of the SMA through a simple web browser
 - Easy programming of the master clock's four or eight auxiliary relays for scheduling.
 - Control of all of the IP settings
 - View complete lists of all the pre-programmed events and schedules
- Count down feature *NEW*
 - Digital clocks will countdown a preset amount of time when the relay is activated
- Web Dealer Link *NEW*
 - Add a hyperlink on the browser software for customers to redirect to your companies web site for increased traffic

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Specifications



- Time base: Crystal
- Voltage input: 85 - 265 VAC, 50/60 Hz
- Display: Vibrant LCD display and .56" (1.42 cm) LED display
- Color: Black
- Housing: Smooth surface metal case
- Keypad: 2x8 rubber tactile keypad
- Temperature range
 - Operating: 0°C - 45°C
 - Shelf: -15° - 70°C
- Calendar: Built-in calendar with leap years
- Inputs: GPS (optional), SNTP, Wireless repeater, RS485, 58 minute correction, 59 minute correction, National Time and Rauland, Dukane digital
- Standby time keeping: Ten (10) years
- Memory: Non-volatile EEPROM
- Outputs: RS485 and 2 clock circuits
- Optional outputs: Sapling Wireless Communication (with transmitter option)
- Housing dimensions (LxWxD): 11" x 17.5" x 1.75" (27.94 cm x 44.45 cm x 4.45 cm)
- Mounting: Wall mount or rack mount
- Weight: 6.5 lbs. (2.95 kg)
- Includes:
 - 1 - 6 foot (1.82 m) power cord
 - 1 - Wall mount kit (wall mount only)
 - 1 - Remote antenna (rack mount and transmitter option only)
 - 1 - 75 foot (22.86 m) GPS cable (with GPS option)
 - 1 - Dome antenna (with GPS option)
- Compliance: UL, cUL and FCC pending

OPTIONS - Zones

- Auxiliary zones: 4 or 8 zones optional
- Contact rating: 8 amps, 0 - 220 volts
- Signal duration: 2 programmable signals per circuit, 1 - 9999 seconds or on/off

OPTIONS - Transmitter

- Input sensitivity: -103 dBm
- RF signal output: 30 dBm (1 watt)
- Transmission frequency: 915 - 928 MHz frequency-hopping technology

OPTIONS - GPS

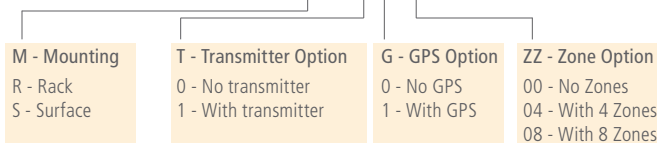
- Antenna: Thread mount bullet on 3/4" conduit
- Antenna dimensions: Diameter: 3.04" (7.72 cm)
Height: 2.94" (7.47 cm)

Ordering Information



SMA 3000 Series Master Clock

SMA-3M0-TGZZ-1



Examples:

- SMA-3R0-1004-1: Rack mount, with transmitter option and 4 zones
- SMA-3S0-1100-1: Surface mount, with transmitter and GPS option

SMA 3000 Series Software Upgrades

Web Interface

SMA-300-WEBI-0 Master clock can be controlled via the web

SNTP Server

SMA-000-SERV-0 Master clock can act as a SNTP Server

Count Down

SMA-000-CDOW-0 Master clock can activate a count down feature on digital clock models

Web Dealer Link

SMA-000-DWEB-0 Master clock has a link located on the web interface to the dealer's website URL