Section 2.1

**syncTECH®**

Wireless Synchronized Time

*Digital & Analog Clocks*

- UHF Wireless Clock System & Emergency Mass Notification (EMN)
- 2.4 GHz Wireless Clock System

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### UHF Wireless Synchronized Clock System

The UHF Wireless Synchronized Clock System uses a single master clock, equipped with either an NTP, GPS or CDMA receiver.

The system obtains and transmits the correct US Time Standard to an unlimited number of secondary clocks, throughout a facility or an entire campus. This system eliminates potential liabilities from inaccurate, independently set clocks.

Automatic Daylight Savings Time adjustments. Emergency Mass Notification (EMN) options may be added to these Master Clocks to instantly notify the occupants of an entire facility. *(See page 98.)*

#### Network Time Protocol Master Clock

Obtains time from local or internet time servers via the on-board Ethernet interface card**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Size</th>
<th>List</th>
<th>Est. Ship WL</th>
</tr>
</thead>
<tbody>
<tr>
<td>WCMNT5</td>
<td>5-Watt Transmitter</td>
<td>20½w x 11¾h x 20d</td>
<td>$5,895</td>
<td>45</td>
</tr>
<tr>
<td>WCMNT25</td>
<td>25-Watt</td>
<td></td>
<td>16,581</td>
<td>48</td>
</tr>
<tr>
<td>WCMNT70</td>
<td>70-Watt</td>
<td></td>
<td>25,988</td>
<td>55</td>
</tr>
<tr>
<td>WCMNT100</td>
<td>100-Watt</td>
<td></td>
<td>35,005</td>
<td>65</td>
</tr>
<tr>
<td>WCMNT200</td>
<td>200-Watt</td>
<td></td>
<td>42,374</td>
<td>95</td>
</tr>
</tbody>
</table>

#### GPS Master Clock

Receives time updates from Global Positioning Satellites through the rooftop antenna and 100 foot cable (included)

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Size</th>
<th>List</th>
<th>Est. Ship WL</th>
</tr>
</thead>
<tbody>
<tr>
<td>WCMGP5</td>
<td>5-Watt Transmitter</td>
<td>20½w x 11¾h x 20d</td>
<td>6,570</td>
<td>45</td>
</tr>
<tr>
<td>WCMGP25</td>
<td>25-Watt</td>
<td></td>
<td>17,256</td>
<td>48</td>
</tr>
<tr>
<td>WCMGP70</td>
<td>70-Watt</td>
<td></td>
<td>27,635</td>
<td>55</td>
</tr>
<tr>
<td>WCMGP100</td>
<td>100-Watt</td>
<td></td>
<td>35,679</td>
<td>65</td>
</tr>
<tr>
<td>WCMGP200</td>
<td>200-Watt</td>
<td></td>
<td>43,049</td>
<td>95</td>
</tr>
</tbody>
</table>

#### CDMA Master Clock

Integrated receiver obtains time from cellular phone towers

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Size</th>
<th>List</th>
<th>Est. Ship WL</th>
</tr>
</thead>
<tbody>
<tr>
<td>WCMCD5</td>
<td>5-Watt Transmitter</td>
<td>20½w x 11¾h x 20d</td>
<td>10,114</td>
<td>45</td>
</tr>
<tr>
<td>WCMCD25</td>
<td>25-Watt</td>
<td></td>
<td>20,812</td>
<td>48</td>
</tr>
<tr>
<td>WCMCD70</td>
<td>70-Watt</td>
<td></td>
<td>30,011</td>
<td>55</td>
</tr>
<tr>
<td>WCMCD100</td>
<td>100-Watt</td>
<td></td>
<td>39,223</td>
<td>65</td>
</tr>
<tr>
<td>WCMCD200</td>
<td>200-Watt</td>
<td></td>
<td>46,593</td>
<td>95</td>
</tr>
</tbody>
</table>

#### FCC License Service*

Establishes 10-Year license with the Federal Communications Commission

Options

- 10 year lithium battery pack
- SyncTech® Electric Movement, 120V AC, 60Hz with battery backup

#### To Order Specify

1. Quantity
2. Model
3. Options

### Master Clock Specifications

- UHF FM Transmitter included on all Master Clocks
- 5, 25, 70, 100 and 200-watt models available
- Automatic Daylight Savings Time adjustments
- Antenna included
- Accurate to a fraction of a second over 10 years
- Operating Temperature : 32°F - 120°F
- Humidity : 0 - 95% non-condensing
- **Display**
  - Real-time hours, minutes, and seconds displayed
  - Hour & Minutes 2.5” high, Seconds 1.8” high
  - 6 digits, 7 segment red LED display
  - Visible up to 75 feet
  - 70 user-defined display formats
  - 12 or 24-hour format
- Site plan/surveys are available to help determine your exact needs. Contact the factory.

### Time Zones

- 11 Daylight Savings Time parameters
- 144 incremental time zone settings

### Alarms

- Wired and wireless alarms available
- Network accessibility from anywhere
- 15 day of week variables
- Alarm scheduling software with 990 alarm settings

### Power Requirements

- 120V AC, 60Hz internal transformer (included). UL listed wall ’plug-in’ type. 10-year lithium battery back-up

* An FCC License is **required** for all UHF Master Clocks.
* Export of this system from the United States of America is prohibited.

** Internet service is required and not included with the PPP Wireless Synchronized Time System.
## 2.1

### Optional Guaranteed Freight Program
(see PeterPepper.com for details)

**FOB Compton:**
- Zone 1 @ 5% of LIST
- Zone 2 @ 8% of LIST

**Other FOB Points:**
- Zone 1 @ 8% of LIST
- Zone 2 @ 5% of LIST

Minimum Truck Charge: $150

### Master Clock Specifications

2.4 GHz Transmitter included on all master clocks. No FCC License required.

Our standard 2.4 GHz transmitter is sufficient for most single commercial building construction.

Each battery-operated clock transmits up to 150 feet in all directions, repeating the synchronized time signal clock-to-clock, throughout an entire facility. All clocks receive and re-broadcast time updates once per second, creating a Multi-path mesh network. However, depending on construction, layout and features, repeaters may be required.

Automatic Daylight Savings Time adjustments. A Mini Master is included with every master clock. It can be used to confirm signal coverage, as an accurate time source for installing analog clocks or as a temporary repeater.

Site plan/surveys are available to help determine your exact needs. Contact the factory.

### Master Clock Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Size</th>
<th>List</th>
<th>Est. Ship Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Network Time Protocol Master Clock</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WCMNT5-2.4</td>
<td>2.4 GHz Transmitter</td>
<td>9½ w x 2½ h x 5½ d</td>
<td>$ 5,895</td>
<td>4</td>
</tr>
<tr>
<td><strong>GPS Master Clock</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WCMGP5-2.4</td>
<td>2.4 GHz Transmitter</td>
<td>9½ w x 2½ h x 5½ d</td>
<td>6,570</td>
<td>4</td>
</tr>
<tr>
<td><strong>Wall Repeater</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WR2.4</td>
<td>2.4 GHz Wall Repeater</td>
<td>2¾ w x 4½ h x 1½ d</td>
<td>504</td>
<td>2</td>
</tr>
<tr>
<td>WR2.4C</td>
<td>Drop ceiling grid tile with built-in 2.4 GHz Repeater</td>
<td>12 w x 24 d</td>
<td>1,270</td>
<td>12</td>
</tr>
</tbody>
</table>

### To Order Specify

1. Quantity
2. Model
3. Options

- **Options**
  - 10 year lithium battery pack
  - SyncTech® Electric Movement, 120V AC, 60Hz with battery backup

**Ethernet connector supplied for NTP time acquisition. Simultaneous GPS acquisition permitted with Wireless GPS receiver.**

Accurate to a fraction of a second over 10 years. Operating temperature: 32°F - 120°F Humidity: 0-95% non-condensing

### Time Zones

Multiple LED time zone models available. Contact Factory.

### Alarms

Using a wireless relay the 2.4 GHz System can be used to activate mechanical bells or horns. Can activate any combination of 12 alarm zones.

### Power Requirements

110V AC.

UL listed wall ‘plug-in’ type. 10-year lithium battery back up.

**Internet service is required and not included with the PPP Wireless Synchronized Time System.**
## Moving Message Displays
Synchronized Time, Date, Day of Week or one line of text for Non-Emergency messages. 2"h digit display with black ABS case

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Size</th>
<th>List</th>
</tr>
</thead>
<tbody>
<tr>
<td>WC200</td>
<td>Dot Matrix Tri-Color</td>
<td>26w x 4½h x 2d</td>
<td>$1,285 5</td>
</tr>
<tr>
<td>WC201</td>
<td>Dot Matrix Tri-Color</td>
<td>38w x 4½h x 2d</td>
<td>2,426 7</td>
</tr>
<tr>
<td>WC202</td>
<td>Dot Matrix Tri-Color</td>
<td>50w x 4½h x 2d</td>
<td>3,360 10</td>
</tr>
</tbody>
</table>

**UHF system only**
Although the signal is wireless, the LED’s require 120V AC, 60Hz power to illuminate this clock. Other sizes available, including 2, 3 or 4 lines of text. Please submit your requirements

### To Order Specify
1. Quantity
2. Model

## Digital Clocks
2’h Red hours and minutes, 1.8’h seconds

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Size</th>
<th>List</th>
</tr>
</thead>
<tbody>
<tr>
<td>WC2000</td>
<td>Segmented 4 digit Red LED Display</td>
<td>12¼w x 6¼h x 2¼d</td>
<td>$1,075 5</td>
</tr>
<tr>
<td>WC2001</td>
<td>Segmented 6 digit Red LED Display</td>
<td>18¼w x 6¼h x 2¼d</td>
<td>1,487 7</td>
</tr>
</tbody>
</table>

Although the signal is wireless, the LED’s require 120V AC, 60Hz power to illuminate this clock. Other: 4” digit height, Green and Blue colors available at upcharge. Please submit your requirements

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Size</th>
<th>List</th>
</tr>
</thead>
<tbody>
<tr>
<td>WC300</td>
<td>Digital LCD Wall Clock, 2.4 GHz Wireless. Hour, minute and second display. Calendar with day of week and temperature display Battery powered, 3 year battery pack</td>
<td>17w x 10½h x 1½d</td>
<td>754 3</td>
</tr>
</tbody>
</table>

**2.4 GHz system only**

### To Order Specify
1. Quantity
2. Model
3. Receiver: UHF or 2.4 GHz
4. Frame Finish (Models WC2000 - WC2001)

| Frame Finish | Brushed Aluminum | Black Aluminum |

## WC100 & 105 Analog Clocks

### To Order Specify
1. Quantity
2. Model
3. Receiver: UHF or 2.4 GHz

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Size</th>
<th>List</th>
</tr>
</thead>
<tbody>
<tr>
<td>WC100</td>
<td>Brushed Aluminum bezel &amp; face graphics</td>
<td>11¼ dia. x 2d</td>
<td>$625 5</td>
</tr>
<tr>
<td>WC105</td>
<td>Black Plastic bezel &amp; face graphics</td>
<td>11¼ dia. x 2d</td>
<td>511 5</td>
</tr>
</tbody>
</table>

### Specifications
- Models available only as listed.
- Cover: Glass, non-tempered.
- Red second hand included on all Analog Receiver Clocks.
- Standard 5 year lithium battery pack (UHF Models), 5 year alkaline battery pack (2.4GHz Models). 3 year battery pack on Model WC300 only.

For optional 10 year lithium battery pack or electric movement, See pages 96 - 97.
2.1
Optional Guaranteed Freight Program
(see PeterPepper.com for details)

FOB Compton:
Zone 1 @ 5% of LIST
Zone 2 @ 8% of LIST
Other FOB Points:
Zone 1 @ 8% of LIST
Zone 2 @ 5% of LIST
Minimum Truck Charge: $150

Specifications
• Bezel: Natural Maple veneer only on baltic birch.
• Red second hand included on all Analog Receiver Clocks.
• Standard 5 year lithium battery pack (UHF Models), 5 year alkaline battery pack (2.4GHz Models).
• For optional 10 year lithium battery pack or electric movement, See pages 98 - 99.

361MA Clock - 13” Diameter

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Size</th>
<th>List</th>
</tr>
</thead>
<tbody>
<tr>
<td>361MA</td>
<td>Natural Maple Veneer</td>
<td>13 dia. x 2½d</td>
<td>693 5</td>
</tr>
<tr>
<td></td>
<td>With Acrylic Cover</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

To Order Specify
1. Quantity
2. Model
3. Receiver: UHF or 2.4 GHz
4. Clock Face Number

Select Face Number from ‘Clock Face Selector’. See page 85.

300P, 382, 386 & 843P Analog Clocks

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Size</th>
<th>A</th>
<th>H</th>
<th>Est. Ship Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>300P</td>
<td>With Acrylic Cover</td>
<td>10 dia. x 2½d</td>
<td>771</td>
<td>863</td>
<td>4</td>
</tr>
<tr>
<td>382</td>
<td>With Acrylic Cover</td>
<td>12 dia. x 2d</td>
<td>828</td>
<td>935</td>
<td>5</td>
</tr>
<tr>
<td>386</td>
<td>With Acrylic Cover</td>
<td>16 dia. x 2d</td>
<td>954</td>
<td>1,085</td>
<td>6</td>
</tr>
<tr>
<td>843P</td>
<td>With Acrylic Cover</td>
<td>14 dia. x 2d</td>
<td>863</td>
<td>979</td>
<td>6</td>
</tr>
</tbody>
</table>

To Order Specify
1. Quantity
2. Model
3. Receiver: UHF or 2.4 GHz
4. Bezel Finish
5. Clock Face Number

Select Face Number from ‘Clock Face Selector’. See page 85.

Specifications
• Bezel available in any PPP Color or Polished Chrome.
• Red second hand included on all Analog Receiver Clocks.
• Standard 5 year lithium battery pack (UHF Models), 5 year alkaline battery pack (2.4GHz Models).
• For optional 10 year lithium battery pack or electric movement, See pages 98 - 99.

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### UHF & 2.4 GHz Wireless Synchronized Clocks
#### 500, 845 & 880 Receiver Clocks - Analog

#### Optional Guaranteed Freight Program
(see PeterPepper.com for details)

**FOB Compton:**
- Zone 1 @ 5% of LIST
- Zone 2 @ 8% of LIST

**Other FOB Points:**
- Zone 1 @ 8% of LIST
- Zone 2 @ 5% of LIST

**Minimum Truck Charge:** $150

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#### 500, 501 & 505 Analog Clocks

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Size</th>
<th>List</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>With Acrylic Cover</td>
<td>14 dia. x 3d</td>
<td>$921</td>
</tr>
<tr>
<td>501</td>
<td>With Acrylic Cover</td>
<td>14 dia. x 2d</td>
<td>886</td>
</tr>
<tr>
<td>505</td>
<td>Double Face</td>
<td>14 dia. x 5½d</td>
<td>2,177</td>
</tr>
</tbody>
</table>

**To Order Specify**
- Models 500 & 501 only
  1. Quantity
  2. Model
  3. Receiver: UHF or 2.4 GHz
  4. Bezel Finish
  5. Housing Finish (Model 500 only)
  6. Clock Face Number
  
  Select Face Number from ‘Clock Face Selector’. See page 105.

**Specifications**
- Bezel & Housing available in any PPP Color.
- Red second hand included on all Analog Receiver Clocks.
- Standard 5 year lithium battery pack (UHF Models), 5 year alkaline battery pack (2.4GHz Models).
  For optional 10 year lithium battery pack or electric movement, See pages 96 - 97.

#### 845 Analog Clock **Designed by Joe Sohn**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Size</th>
<th>List</th>
</tr>
</thead>
<tbody>
<tr>
<td>845</td>
<td>With Acrylic Cover</td>
<td>14 dia. x 2½d</td>
<td>$892</td>
</tr>
</tbody>
</table>

**To Order Specify**
- Models 845 only
  1. Quantity
  2. Model
  3. Receiver: UHF or 2.4 GHz
  4. Bezel Finish
  5. Clock Face Number
  
  Select Face Number from ‘Clock Face Selector’. See page 105.

**Specifications**
- Bezel available in any PPP Color or Polished Chrome.
- Red second hand included on all Analog Receiver Clocks.
- Standard 5 year lithium battery pack (UHF Models), 5 year alkaline battery pack (2.4GHz Models).
  For optional 10 year lithium battery pack or electric movement, See pages 98 - 99.

#### 880 Analog Clock

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Size</th>
<th>List</th>
</tr>
</thead>
<tbody>
<tr>
<td>880</td>
<td>With Acrylic Cover</td>
<td>14½w x 13¾h x 2d</td>
<td>$904</td>
</tr>
</tbody>
</table>

**To Order Specify**
- Models 880 only
  1. Quantity
  2. Model
  3. Receiver: UHF or 2.4 GHz
  4. Bezel Finish
  5. Housing Finish
  6. Clock Face Number
  
  Select Face Number from ‘Clock Face Selector’. See page 105.

**Specifications**
- Bezel available in any PPP Color or Polished Chrome.
- Red second hand included on all Analog Receiver Clocks.
- Standard 5 year lithium battery pack (UHF Models), 5 year alkaline battery pack (2.4GHz Models).
  For optional 10 year lithium battery pack or electric movement, See pages 96 - 97.

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Patient Room Information Boards

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Size</th>
<th>List</th>
<th>Est. Ship Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>IB3024</td>
<td>Clock panel 12”w x 12”h, writing surface panel 18”w x 12”h and tackable fabric, ColorCork or COM panel</td>
<td>30w x 24h x 2½d</td>
<td>$1,322</td>
<td>25</td>
</tr>
<tr>
<td>IB3024X</td>
<td>Clock panel 12”w x 12”h, tackable fabric, ColorCork or COM panel</td>
<td>30w x 24h x 2½d</td>
<td>1,403</td>
<td>25</td>
</tr>
<tr>
<td>IB4012</td>
<td>Clock panel, tackable fabric, ColorCork or COM panel and writing surface panel. Each panel 13”w x 12”h</td>
<td>40w x 12h x 2½d</td>
<td>1,322</td>
<td>19</td>
</tr>
<tr>
<td>IB1240</td>
<td>Clock panel, tackable fabric, ColorCork or COM panel and writing surface panel. Each panel 12”w x 13”h</td>
<td>12w x 40h x 2½d</td>
<td>1,322</td>
<td>19</td>
</tr>
</tbody>
</table>

NEW Feature: Includes side holder to stow markers and eraser!

To Order Specify

1. Quantity
2. Model
3. Receiver: UHF or 2.4 GHz
4. Frame: Wood Finish
5. Clock Face Number
6. Clock Panel: PPP Color
7. Tackable Panel: Fabric, ColorCork or COM

Select Face Number from ‘Clock Face Selector’. See page 105.

Specifications

- Patient Room Information Board combines a SyncTech® clock, magnetic white porcelain writing surface and fabric, ColorCork or COM tackable panel in one enclosure. For ColorCork Specifications, see page 8.
- Frame available in wood finish.
- Clock 10” dia. with back panel in any PPP Color.
- Acrylic cover and red second hand included.
- White porcelain enamel writing surface fused to 28 gauge steel.
- Built-in holders on the right side stow 2 dry erase markers and eraser. Four dry erase markers and eraser included.
- Mounting cleat/bracket and hardware included.
- Standard 5 year lithium battery pack (UHF Models), 5 year alkaline battery pack (2.4GHz Models). For optional 10 year lithium battery pack or electric movement, See pages 96 - 97.

Message Center Designed in Collaboration with HDR

<table>
<thead>
<tr>
<th>Model</th>
<th>Writing Surface with Clock</th>
<th>Size</th>
<th>List</th>
<th>Est. Ship Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC</td>
<td></td>
<td>24w x 45h x 4d</td>
<td>$1,647</td>
<td>42</td>
</tr>
</tbody>
</table>

Option

- Custom Lettering, press-on black vinyl. (Maximum 12 characters.) $120 NET
- Additional characters (each) $20 NET

Shipped by Truck* (see PeterPepper.com for details)

Optional Guaranteed Freight Program

- FOB Compton: Zone 1 @ 5% of LIST
- Zone 2 @ 3% of LIST
- Other FOB Points: Zone 1 @ 5% of LIST
- Zone 2 @ 3% of LIST
- Minimum Truck Charge: $150
The UHF Emergency Mass Notification System (EMN) will instantly send text and/or audio messages throughout a facility or across an entire campus in a matter of seconds, and not minutes.

The same emergency messages can also be delivered to your entire facility utilizing the facility emergency dialing software. Using the latest text-to-speech technology from AT&T, the UHF system will send out alpha-numeric messages to all Wireless Message Displays, Wireless Speakers and Outdoor Broadcast Systems. To reduce costs, our system can be integrated into most PA and Fire Panel systems and utilize existing speakers, or combinations of both.

How does it work? UHF EMN Software ties into the URL that broadcasts the RSS feed supplied by the paging software. When an alert is sent from the paging software, the UHF EMN Software automatically sends out an audio alert to all UHF speakers and a text alert to all message displays.

When an “all clear” is sent from the paging software, the UHF EMN Software automatically changes the message displays back to time.

Benefits of Wireless Emergency Notification

- Uses a FCC Licensed frequency not accessible to the general public.
- Audio and Visual notifications in the event of an emergency.
- NFPA 72 recommended Amber strobe lights on indoor speakers and moving message boards.
- Over 60 professionally recorded emergency announcements to choose from.
- Easily integrates into fire control panels to utilize system speakers.
- Up to 15 pre-recorded emergency messages that provide calm, concise announcements.
- Make live emergency announcements from any telephone, cell phone or SyncTech® master control PC.
- Text to speech technology using AT&T Natural Voices Software.
- Ability to have back up master transmitter in the event of a catastrophic failure at the primary location.
- Plug and Play components for easy installation and expansion.
- Ability to divide facility or campus into 255 separate zones.
- Synchronized time for your entire facility or campus.
### Optional Guaranteed Freight Program
(see PeterPepper.com for details)

<table>
<thead>
<tr>
<th>FOB Compton:</th>
<th>Zone 1 @ 5% of LIST</th>
<th>Zone 2 @ 8% of LIST</th>
<th>Other FOB Points:</th>
<th>Zone 1 @ 8% of LIST</th>
<th>Zone 2 @ 5% of LIST</th>
<th>Minimum Truck Charge: $150</th>
</tr>
</thead>
</table>

---

### 2.1 Optional Guaranteed Freight Program

#### EMN Master Clocks

- **WCMNT5EMN**: EMN 5-Watt Master  
  Size: 20½w x 11¾h x 20d  
  List: $22,108  
  Wt.: 70

- **WCMNT25EMN**: EMN 25-Watt Master  
  Size: -  
  List: 29,478  
  Wt.: 73

- **WCMNT70EMN**: EMN 70-Watt Master  
  Size: -  
  List: 38,690  
  Wt.: 80

- **WCMNT100EMN**: EMN 100-Watt Master  
  Size: -  
  List: 47,900  
  Wt.: 90

- **WCMNT200EMN**: EMN 200-Watt Master  
  Size: -  
  List: 55,270  
  Wt.: 120

- **WMMCPC**: SyncTech® Master Control PC with 17” monitor  
  List: 9,904  
  Wt.: 40

### Emergency Moving Message Display

Synchronized Time, Date, Day of Week or one line of text for Emergency messages. 2”h digit display with black ABS case.

- **WC200EMN**: EMN message display with speaker and strobe Dot Matrix Amber Color  
  Size: 38½w x 4¼h x 2d  
  List: 2,589  
  Wt.: 5

  **Note:** although the signal is wireless, the LED’s require 120V AC, 60Hz power to illuminate this clock. Other sizes available including 2, 3 or 4 lines of text. Please submit your requirements.

- **WCIDPA**: Wireless indoor PA speaker  
  Size: 9w x 11h x 7d  
  List: 1,931  
  Wt.: 5

  **(requires 120V AC, 60Hz for power)**

- **WCODPA**: Wireless outdoor PA speaker  
  Size: 8w x 6h x 19d  
  List: 2,100  
  Wt.: 10

  **(requires 120V AC, 60Hz for power)**

### Additional SyncTech® Information

- Only a small portion of the Emergency Mass Notification options are shown above.
- In most cases, a site plan/survey may be required for proper specifications of your system, prior to a formal quote being issued.
- Due to the number of options and user interfaces available, please contact Customer Service for Ordering Details.

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### To Order Specify

1. Quantity  
2. Model
## Technical Specifications

<table>
<thead>
<tr>
<th></th>
<th>SyncTech® UHF</th>
<th>SyncTech® 2.4 GHz</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Master Clock</strong></td>
<td>UHF FM Transmitter included. 25, 70, 100 and 200-watt models available. Antenna included.</td>
<td>2.4 GHz transmitter included on all master clocks. A Mini Master is included with every master clock. It can be used to confirm signal coverage, as an accurate time source for installing analog clocks or as a temporary repeater.</td>
</tr>
<tr>
<td><strong>Time Sources</strong></td>
<td>NTP, GPS, CDMA</td>
<td>NTP, GPS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP + GPS receivers can be used in single or simultaneous configurations.</td>
</tr>
<tr>
<td><strong>Accuracy</strong></td>
<td>Accurate to a fraction of a second over 10 years.</td>
<td>Accurate to a fraction of a second over 10 years.</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>32°F - 120°F.</td>
<td>32°F - 120°F.</td>
</tr>
<tr>
<td><strong>Operating Humidity</strong></td>
<td>0 - 95% non-condensing.</td>
<td>0 - 95% non-condensing.</td>
</tr>
<tr>
<td><strong>FCC License Requirements</strong></td>
<td>Required.</td>
<td>No license required.</td>
</tr>
<tr>
<td><strong>Power Requirements (Master Clocks)</strong></td>
<td>120V AC, 60Hz internal transformer (included). UL listed wall ‘plug-in’ type. 10-year lithium battery back-up.</td>
<td>110V AC, internal transformer (included). UL listed wall ‘plug-in’ type. 10-year lithium battery back up.</td>
</tr>
<tr>
<td><strong>Time Zones</strong></td>
<td>11 Daylight Savings Time parameters. 144 incremental time zone settings.</td>
<td>–</td>
</tr>
<tr>
<td><strong>Emergency Message Notification Capability</strong></td>
<td>• Moving Message Displays. • Speakers.</td>
<td>–</td>
</tr>
<tr>
<td><strong>Typical Installation</strong></td>
<td>• Facility with additional need for Emergency Mass Notification capabilities. • Multi-building campus requiring a single time source.</td>
<td>• Single building construction with receiver clocks placed within 150’ radius of one another. • Facility without need for integrated Emergency Mass Notification.</td>
</tr>
<tr>
<td><strong>Site Survey</strong></td>
<td>A site plan/survey is available to help determine your exact needs. Contact the factory.</td>
<td></td>
</tr>
</tbody>
</table>

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Clock Face Selector

Standard clock faces are white or black as shown.
Corporate logos and custom face designs available in contract quantities. Please submit your requirements.