Features

- 6.0" (15.2 cm), 9.0" (22.9cm) or 12.0" (30.5cm) digits
- 24V, 230VAC or PoE power supply (PoE in select IP clocks only)
- 12 or 24 hour display
- Red display standard; Optional White, Green, or Amber displays
- Immediate correction for time change
- Microprocessor based clock
- Automatic LED brightness adjustment based on outside lighting conditions.
- Automatic Daylight Saving Time change (if applicable)

Highlights

- Built-in web interface - Each clock has a built in web interface allowing the user to set up, control, and monitor the clock
    - Web interface settings include: Network settings, NTP server selection, UTC/GMT offset selection, automatic Daylight Saving Time adjustments, and much more!
- Ability to alternate between time and date in U.S. (MM:DD:YY) and international (DD:MM:YY) format at user-changeable rates
- Ten year battery backup for internal real time clock and clock settings.
- Capable of Interfacing with an Elapsed Timer Control Panel (SBD-ELT-001-0), Temperature Sensor (SLD-TEMP-000-0), and Buzzer (L-BUZZ-3300-1) accessories.
- Four selectable display font options.
- The clock features time loss notification by flashing the colon
- In addition to your chosen synchronization method, all versions of the clock support a variety of wired protocols. These protocols include 2-Wire Communication, RS485, 58 minute, 59 minute, National Time and Rauland sync-wire, Dukane Digital, and Once a Day Closure.
- Can interface with a third party system via a contact closure such as a nurse call system that can automatically trigger an elapsed timer.
- Designed and Produced in Pennsylvania, United States of America

specification sheets may change without prior notice

Simplex Time Solutions • 91 Derby Street, Silverwater, NSW 2128 Australia • P: +61.131491 • W: www.simplextime.com.au • E: admin@simplextime.com.au

Premium Large Digital Clocks are offered with synchronization methods to cover all of your project needs. Each method comes with bonus features that add additional capabilities to the clock!

Wi-Fi Clocks

- Interfaces with the Wi-Fi Clock Monitor software which will allow the user to view, monitor, and access all of the clocks in the system
- Receives time data from one of five pre-programmed third party NTP servers (user changeable) for added reliability and redundancy. Alternatively, it can be set to receive the time data from an in-house NTP Server or from a compatible SSMA Master Clock model.
- Accepts encryption protocols for enterprise network environments.

Wired IP Clocks

- Interfaces with the IP Clock Monitor software which will allow the user to view and monitor all IP clocks in the system.
- Receives time data from one of five pre-programmed third party NTP servers (user changeable) for added reliability and redundancy. Alternatively, it can be set to receive the time data from an in-house NTP Server or from a compatible SSMA Master Clock model.
- Select models available with Power-over-Ethernet (PoE) powering options.

2.4 GHz Wireless Clocks

- Each clock acts as a repeater for the time data signal
- 2.4 GHz frequency hopping technology to ensure signal reliability
  - No FCC or special operating license required
- Receives time correction once every minute
- "BELL" and "FirE" messaging capabilities
- Capable of receiving pre-scheduled countdown command from the SSMA Master Clock (optional SSMA function)

2.4 GHz Wireless TalkBack Clocks

- Each clock acts as a repeater for the time data signal
- 2.4 GHz frequency hopping technology to ensure signal reliability
  - No FCC or special operating license required
- Receives time correction once every minute
- "BELL" and "FirE" messaging capabilities
- Capable of receiving pre-scheduled countdown command from the SSMA Master Clock (optional SSMA function)

GPS Clocks

- Obtains Time Data at minimal infrastructure cost to the user via GPS satellites.
- Same reliable system as used by commercial and military navigation systems.

specification sheets may change without prior notice

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Specifications - All Clocks

Case Material:
Aluminum

Case Color:
Black

Mounting:
Wall or Double Mount

Brightness:
Four levels, adjustable

Wired Signal Input Options:
RS485, 2-Wire Digital Communication (24V model only), 59 minute correction, 58 minute correction, National Time/Rauland, Dukane, Once-a-Day Pulse

Wired Signal Output:
RS485, 59 minute correction, 58 minute correction, National Time/Rauland, Rauland Digital, Once-a-Day Pulse

Temperature Range
-40°F to 167°F (-40°C to +75°C)

Ingress Protection Rating:
IP 66 (Outdoor only)

Voltage Input:
22-28V (24 Volt Model)
180-260 VAC (230 Volt Model)
48V Power over Ethernet (PoE Model)

Power over Ethernet Class (PoE Model Only):
Class 3

Average Current Consumption (Maximum Brightness for Red Display):
6.0" (15.2 cm) 4 and 6 Digit Clock:
  250 mA @ 24 V
  25 mA @ 230 VAC
9.0" (22.9 cm) 4 and 6 Digit Clock:
  340 mA @ 24 V
  34 mA @ 230 VAC
12.0" (30.5 cm) 4 and 6 Digit Clock:
  775 mA @ 24 V
  78 mA @ 230 VAC

Wi-Fi

Data Protocols:
NTP, SNTP

Network Protocols:
IPv4

Compatible Wi-Fi Communication Protocols:
802.11 b/g/n (2.4GHz only)

Compatible Security Protocols:
WEP, WPA,WPA2-PSK, WPA2-Enterprise

Enterprise Inner Authentication
PEAPv0 (MSCHAPv2)

Enterprise Inner Authentication
EAP-FAST, EAP-TTLS, EAP-PEAP

IP

Signal Input:
(S)NTP via RJ45 connector

Data Protocols:
NTP, SNTP, Sapling Proprietary

Network Protocols:
IPv4

Wireless/Wireless Talkback

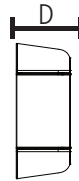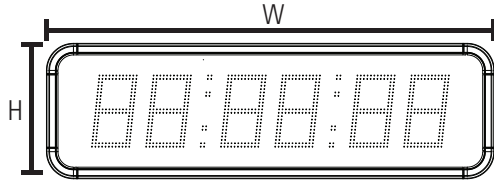**Receiver Sensitivity:**
-103 dBm

Transmitter Power Output:
8 dBm

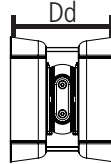**Operating Frequency (2.4GHz model):**
2.4 GHz frequency-hopping technology

Simplex
TIME SOLUTIONS

SXLD Premium Large Digital Clock (V1.3)

Dimensions (Wall Mount)

Dimensions (Double, Wall, 6" and 9")

Wav, Wmx, Wmn   Dd

Dimensions (Double, Wall, 12")

Wav, Wmx, Wmn   Dd

Dimensions (Double, Ceiling, 6" and 9")

Hav, Hmx, Hmn

Dimensions (Double, Ceiling, 12")

Hav, Hmx, Hmn

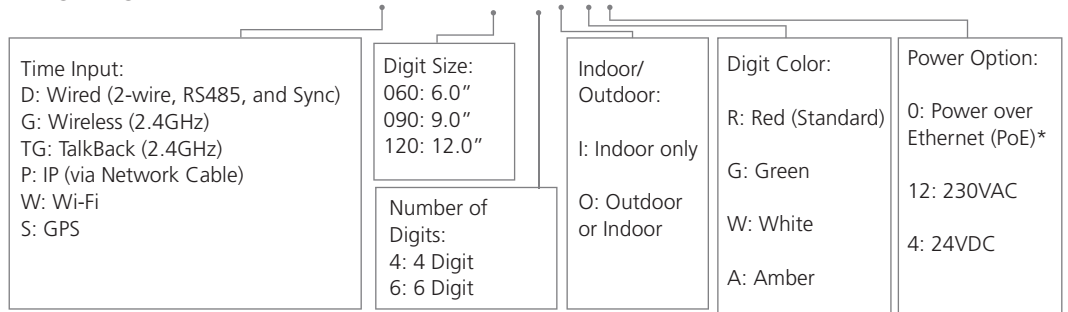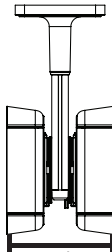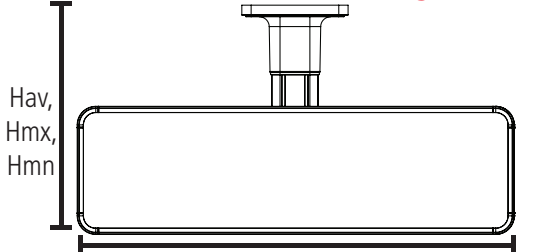|	4 Digits 6.0" (15.2cm)	4 Digits 9.0" (22.9cm)	4 Digits 12.0" (30.5cm)	6 Digits 6.0" (15.2cm)	6 Digits 9.0" (22.9cm)	6 Digits 12.0" (30.5cm)
Surface Mount:	W = 26.0" (66.0cm) H = 11.0" (28.0cm) D = 4.06" (11.2cm)	W = 36.7" (93.2cm) H = 15.2" (38.6cm) D = 4.06" (11.2cm)	W = 47.2" (119.8cm) H = 19.9" (50.5cm) D = 4.06" (11.2cm)	W = 36.4" (92.6cm) H = 11.0" (28.0cm) D = 4.06" (11.2cm)	W = 51.8" (131.6cm) H = 15.2" (38.6cm) D = 4.06" (11.2cm)	W = 67.2" (170.8cm) H = 19.9" (50.5cm) D = 4.06" (11.2cm)
Double Mount Wall Avg:	Wav =38.0" (96.5cm) Dd =12.7" (32.2cm)	Wav =48.7" (123.6cm) Dd =12.7" (32.2cm)	Wav =59.2" (150.3cm) Dd =12.7" (32.2cm)	Wav =48.4" (123.0cm) Dd =12.7" (32.2cm)	Wav =63.8" (162.1cm) Dd =12.7" (32.2cm)	Wav =79.3" (201.3cm) Dd =12.7" (32.2cm)
Double Mount Wall Max/Min	Wmx=46.2" (117.4cm) Wmn=34.2" (87.0cm)	Wmx=56.9" (144.6cm) Wmn=44.9" (114.2cm)	Wmx=67.5" (171.3cm) Wmn=55.5" (140.8cm)	Wmx=56.7" (144.0cm) Wmn=44.7" (113.6cm)	Wmx=72.1" (183.1cm) Wmn=60.1" (152.6cm)	Wmx=87.5" (222.3cm) Wmn=75.5" (191.8cm)
Double Mount Ceiling Avg*:	Hav =23.0" (58.4cm)	Hav =27.2" (69.0cm)	Hav =32.1" (81.6cm)	Hav =23.0" (58.4cm)	Hav =27.2" (69.0cm)	Hav =32.2" (81.8cm)
Double Mount Ceiling Max/Min*	Hmx=31.3" (79.4cm) Hmn=19.3" (49.0cm)	Hmx=35.5" (90.0cm) Hmn=23.5" (59.6cm)	Hmx=40.4" (102.6cm) Hmn=28.4" (72.2cm)	Hmx=31.3" (79.4cm) Hmn=19.3" (49.0cm)	Hmx=35.5" (90.0cm) Hmn=23.5" (59.6cm)	Hmx=40.5" (102.8cm) Hmn=28.5" (72.3cm)
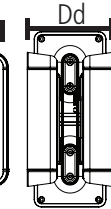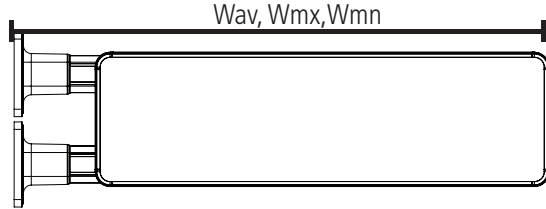
* In 12" models, the bracket end cap is lower than the bottom of the clock. This measurement refers to the distance between the end cap and bottom of the mounting pole base.
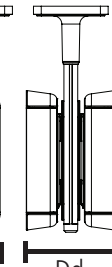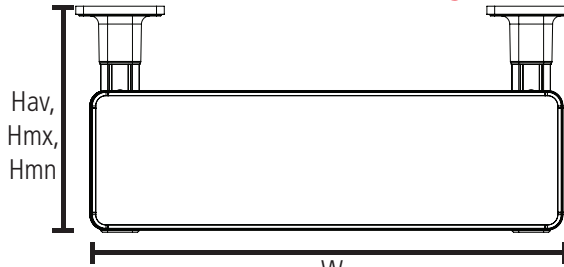
Ordering Information:

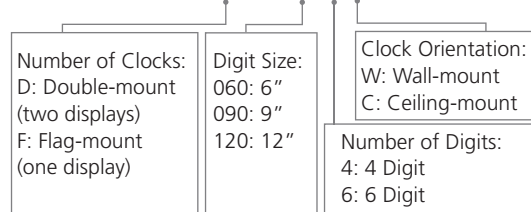SXLD Premium Large Digital Clock: SXLD-WXB-33S-XXXY-XYZ

Time Input:
D: Wired (2-wire, RS485, and Sync)
G: Wireless (2.4GHz)
TG: TalkBack (2.4GHz)
P: IP (via Network Cable)
W: Wi-Fi
S: GPS

Digit Size:
060: 6.0"
090: 9.0"
120: 12.0"

Number of Digits:
4: 4 Digit
6: 6 Digit

Indoor/Outdoor:
I: Indoor only
O: Outdoor or Indoor

Digit Color:
R: Red (Standard)
G: Green
W: White
A: Amber

Power Option:
0: Power over Ethernet (PoE)*
12: 230VAC
4: 24VDC

Double or Flag Mount Pole Kit: SLD-1XM-XXXY-XS

Number of Clocks:
D: Double-mount (two displays)
F: Flag-mount (one display)

Digit Size:
060: 6"
090: 9"
120: 12"

Number of Digits:
4: 4 Digit
6: 6 Digit

Clock Orientation:
W: Wall-mount
C: Ceiling-mount

*PoE is available only with clocks that have Red or Amber displays, and have 6.0" or 9.0" digits.