Simplex TIME SOLUTIONS

Features

- Available with 2.5" (6.35 cm) digits or 4.0" (10.16 cm) digits; 4 digit display or 6 digit display
- Mulitple power options
  - SXBD 3100 offered at 24V only
  - SXBD 3200 & 3300 offered at 24V and 230VAC
- 12 or 24 hour display
- Red display standard; Optional White, Green, or Amber displays
- Immediate correction for time change when used with 2-Wire Digital Communication or RS485 input
- Microprocessor based clock
- Adjustable bright LED display (high, medium, low, off)
- Three models (3100, 3200, and 3300) with additional capabilities for higher models
- SXBD 3100 supports 2-Wire Digital Communication Time Protocol (higher models support additional protocols)

Highlights

- Programmable brightness levels
- Ten year battery backup for internal real time clock and clock settings
- The clock features time loss notification by flashing the colon
- "BELL" and "FirE" messaging capabilities
- Capable of receiving pre-scheduled countdown command from the SSMA Master Clock (optional SSMA function)
- Analog and digital clocks can be mixed on the same line
- Alternating time/date display in U.S. format (MM:DD:YY)
- Designed and Produced in the United States of America

Additional 3200 Model Highlights

- Capable of interfacing with:
  - Simplex Elapsed Timer Control Panel (SBD-ELT-001-0)
  - Temperature Sensor (SBD-TEMPT-000-0)
  - USB Programming Cable (D-USB485-INTF-1)
- Can receive Simplex RS485 Time Protocol
- Alternating time/date display in international date format (DD:MM:YY) set using USB Programming Cable
- Brightness scheduling capabilities

Additional 3300 Model Highlights

- Easy programming with two front push buttons
- Can interface with a third party system via a contact closure such as nurse call system that can automatically trigger the elapsed timer
- Can interface with a Simplex Buzzer accessory (A-BUZZ-3300-1) when the Simplex Elapsed Timer reaches 00:00:00
- Can interface with 3 wire sync protocols
- Supports 58 minute, 59 minute, National Time and Rauland sync wire inputs and Once A Day closure (in addition to Simplex RS485 Time Protocol input and output and 2-Wire Digital Communication Time Protocol)
- Capable of acting as a standalone mini-master clock

Specifications

Case Material:

Reinforced Acrylonitrite Butadiene Styrene (ABS)

Case Color:

Black back case with a metallic gray front rim

(custom colors available)

Mounting:

Wall, Flush, Flag Mount or Double Mount

Brightness:

3100: Two levels, adjustable

3200/3300: Four levels, adjustable

Bezel Size (LxW):

2.5", 4 digit clock: 4.69" (11.91 cm) x 10.31" (26.19 cm)

2.5", 6 digit clock: 4.69" (11.91 cm) x 13.56" (34.44 cm)

4.0", 4 digit clock: 6.75" (17.15 cm) x 13.31" (33.8 cm)

4.0", 6 digit clock: 6.75" (17.15 cm) x 18.31" (46.5 cm)

Shipping Weight (Surface Mount):

2.5", 4 digit clock: 3lbs. (1.36kg)

2.5", 6 digit clock: 3.5lbs. (1.58kg)

4.0", 4 digit clock: 4 lbs. (1.81kg)

4.0", 6 digit clock: 4.5" (2.04kg)

Temperature Range

Operating: 32°F - 122°F (0°C - 50°C)

Shelf: 5°F - 167°F (-15°C - 75°C)

Compliance:

UL and cUL listed; CE

SXBD 3000 Series Wired Clock (V3.4)

Signal Input:

3100: 2-Wire Digital Communication

3200: RS485; 2-Wire Digital Communication (24V model only)

3300: RS485, 2-Wire Digital Communication (24V model only), 59 minute correction, 58 minute correction, National Time/Rauland, Dukane, Once-a-Day Pulse

Signal Output:

3200: RS485

3300: RS485, 59 minute correction, 58 minute correction, National Time/Rauland, Rauland Digital, Once-a-Day Pulse

Voltage Input:

2.5" clock: 11-28V (24 Volt Model)

180-260 VAC (230 Volt Model)

4.0" clock: 16-28V (24 Volt Model)

200-260 VAC (230 Volt Model)

Average VAC Current Consumption (Maximum Brightness for Red Display):

2.5" (6.35 cm) 4 and 6 Digit Clock:

124 mA @ 24 VAC

20 mA @ 230 VAC

4.0" (10.16 cm) 4 and 6 Digit Clock:
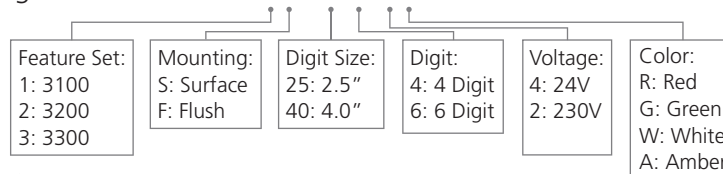
182 mA @ 24 VAC

30 mA @ 230 VAC

Average VDC Current Consumption (Maximum Brightness):

	Red Display (Standard)	Amber Display	Green Display	White Display
Digital, 2.5" 4 digit	89 mA	105.8 mA	127.6 mA	127.5 mA
Digital, 2.5" 6 digit	121 mA	113.71 mA	155.42 mA	155.12 mA
Digital, 4.0" 4 digit	138 mA	139.87 mA	186.2 mA	189.9 mA
Digital, 4.0" 6 digit	183 mA	158.53 mA	229.74 mA	230.51 mA

Ordering Information:

SXBD 3000 Series Wired Digital Clock: SXBD–3XX–XXX–XX

Feature Set:	Mounting:	Digit Size:	Digit:	Voltage:	Color:
1: 3100 2: 3200 3: 3300	S: Surface F: Flush	25: 2.5" 40: 4.0"	4: 4 Digit 6: 6 Digit	4: 24V 2: 230V	R: Red G: Green W: White A: Amber

Note: SXBD 3100 is only available in 24V.

Double Mount Pole: SAB-XXD-XXS-0

| Material:	Color:	Pole Size:
1: Metal →	B: Black →	00: Standard
OR		
4: ABS →	G: Gray →	01: Short (ceiling only)
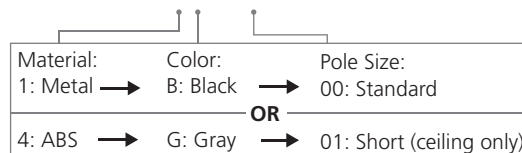
Note: Purchasing double mounted digital clocks will require two clocks using the clock part number and one double mount pole using the part number above. Flag mounted digital clocks will require one clock using the clock part number and one double mount pole using the part
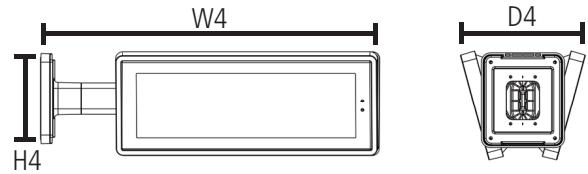
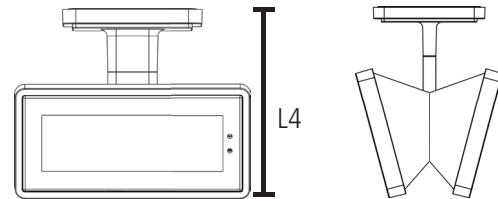# SXBD 3000 Series Wired Clock (V3.4)
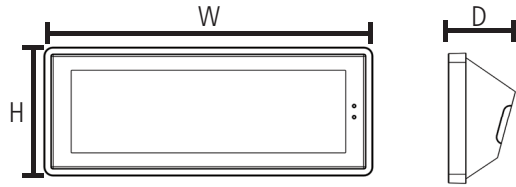
Surface Mount
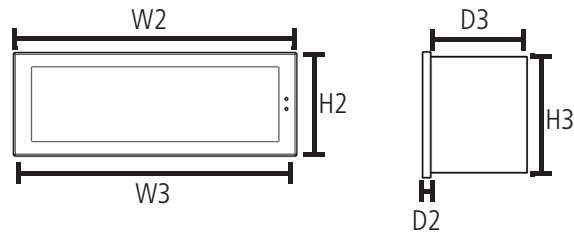
Wall Double Mount*

*Available with standard pole length

Flush Mount

Ceiling Double Mount*

*Available with standard or shortened pole length

	4 Digits 2.5" (6.35cm)	4 Digits 4.0" (10.16cm)	6 Digits 2.5" (6.35cm)	6 Digits 4.0" (10.16cm)
Surface Mount:	W = 11.06" (28.09cm) H = 5.38" (13.67cm) D = 4.06" (10.31cm)	W = 14.13" (35.89cm) H = 7.56" (19.20cm) D = 4.38" (11.61cm)	W = 14.44" (36.68cm) H = 5.38" (13.67cm) D = 4.06" (10.31cm)	W = 19.25" (48.90cm) H = 7.56" (19.20cm) D = 4.38" (11.61cm)
Flush Mount Outside Wall:	W2 = 10.25" (26.03cm) H2 = 4.53" (11.51cm) D2 = 0.281" (0.71 cm)	W2 = 13.22" (33.58cm) H2 = 6.72" (17.07cm) D2 = 0.281" (0.71 cm)	W2 = 13.63" (34.62cm) H2 = 4.53" (11.51cm) D2 = 0.281" (0.71 cm)	W2 = 18.38" (46.69cm) H2 = 6.72" (17.07cm) D2 = 0.281" (0.71 cm)
Flush Mount Housing:	W3 = 9.63" (24.46cm) H3 = 3.81" (9.68 cm) D3 = 3.00" (7.62 cm)	W3 = 12.63" (32.08cm) H3 = 6.28" (15.95cm) D3 = 3.00" (7.62 cm)	W3 = 13.13" (33.35cm) H3 = 4.03" (10.24cm) D3 = 3.00" (7.62 cm)	W3 = 17.75" (45.09cm) H3 = 6.09" (15.47cm) D3 = 3.00" (7.62 cm)
Double Mount:	H4 = 6.56" (16.67cm) D4 = 8.09" (20.54cm)	H4 = 6.56" (16.67cm) D4 = 8.63" (21.92cm)	H4 = 6.56" (16.67cm) D4 = 8.09" (20.54cm)	H4 = 6.56" (16.67cm) D4 = 8.63" (21.92cm)
Overall Width at positions on standard pole: (SSAB-4GD-00S-0)	W4 = 18.95" (48.13cm) = 17.30" (43.94cm) = 15.66" (39.78cm)	W4 = 20.47" (51.99cm) = 18.83" (47.83cm) = 17.18" (43.63cm)	W4 = 20.63" (52.40cm) = 18.98" (48.21cm) = 17.34" (44.04cm)	W4 = 24.69" (62.71cm) = 23.05" (58.55cm) = 21.41" (54.38cm)
Overall Length for standard pole:* (SSAB-4GD-00S-0)	L4 = 14.75" (37.47cm)	L4 = 15.75" (40.01cm)	L4 = 14.75" (37.47cm)	L4 = 15.75" (40.01cm)
Overall Length for shortened pole:** (SSAB-4GD-01S-0)	L4 = 8.68" (22.03cm)	L4 = 10.13" (25.72cm)	L4 = 8.68" (22.03cm)	L4 = 10.13" (25.72cm)
Visibility (Max Brightness):	150 feet (45.72 meters)	250 feet (76.20 meters)	150 feet (45.72 meters)	250 feet (76.20 meters)

*Standard pole refers to part number SSAB-4GD-00S-0

**Shortened pole (ceiling mount only) refers to part number SSAB-4GD-01S-0 Specification sheets may change without prior notice