

## SBD 2000 Series Wired Master/Slave Clock (V3)

### Features:

- Stand alone master clock or digital slave clock
- Can interface with existing systems
- Interfaces with the Sapling Control Box for chronograph timer functionality
- 58 minute, 59 minute, National Time and Rauland sync wire inputs, Midnight Reset input, RS485 input and output and two (2) wire digital communication input
- Interfaces to most Rauland and Dukane Master Clock/Intercom systems
- "BELL", "FirE" and addressable messaging capabilities
- Available in a red display
- Available in 4 and 6 digit versions
- Automatic Daylight Saving Time (when used as a primary master clock)
- 12 or 24 hour display
- Two levels of programmable brightness
- Both 110 volt and 24 volt or 220 volt and 24 volt AC/DC power input in each clock
- Immediate correction for time change, when used with RS485 or 2-wire digital communication input
- Alternating time/date in both American and European formats
- Ten (10) year battery backup
- Microprocessor based
- Ease of maintenance—if input is lost, the colon will flash
- Analog and digital clocks can be mixed on the same line
- Easy programming options via two (2) switches
- UL, cUL, FCC approved
- Made in the U.S.A.

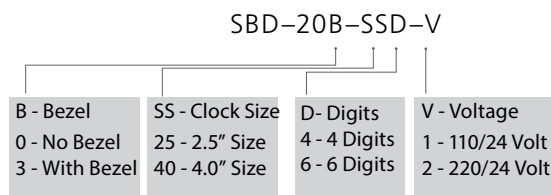


## Specifications:

- Display Size: 2.5" (6.35 cm) and 4.0" (10.16 cm)
- Display Color: Vibrant Red
- Number of Digits: 4 digit or 6 digit
- Visibility: 100 ft. (30.48 m) - 2.5" (6.35 cm) model  
250 ft. (76.2 m)- 4.0" (10.16 cm) model
- Bezel Color: Anti-glare red
- Bezel Size: (LxW) 4.69" (11.91 cm) x 10.31" (26.19 cm)  
- 2.5" clock, 4 digit  
6.75" (17.15 cm) x 13.31" (33.8 cm)  
- 4.0" clock, 4 digit  
4.69" (11.91 cm) x 13.56" (34.44 cm)  
- 2.5" clock, 6 digit  
6.75" (17.15 cm) x 18.31" (46.5 cm)  
- 4.0" clock, 6 digit
- Temperature Range  
Operating: 0°C - 45°C  
Storage: -15°C - 75°C
- Input Voltage for 2.5" clock: 7 - 28 VDC (24 volt model)  
85 - 130 VAC (110 volt model)  
180 - 260 VAC (220 volt model)
- Input Voltage for 4.0" clock: 16 - 28 VDC (24 volt model)  
100 - 130 VAC (110 volt model)  
200 - 260 VAC (220 volt model)
- Average Current Consumption: (maximum brightness) 2.5" (6.35 cm) 4 and 6 Digit Clock  
85 mA @ 24 VAC  
30 mA @ 110 VAC  
20 mA @ 220 VAC
- Average Current Consumption: (maximum brightness) 4.0" (10.16 cm) 4 and 6 Digit Clock  
190 mA @ 24VAC  
45 mA @ 110 VAC  
30 mA @ 220 VAC
- Signal Input: RS485, 2-Wire Digital Communication, 59 minute correction, 58 minute correction, National Time/Rauland, Dukane, Once-a-Day Pulse, Rauland Digital
- Signal Output: RS485
- Display Format: 12 or 24 hour mode
- Brightness: Two levels, adjustable
- Mounting: Flush, surface or double mount
- Compliance: UL, cUL listed and FCC approved

## Ordering Information

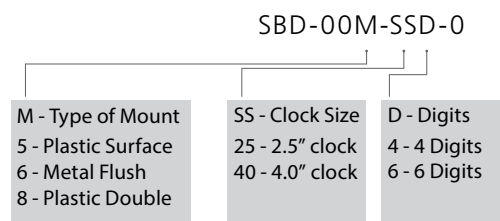
### SBD 2000 Series Wired Clock



#### Examples:

SBD-203-254-2: SBD 2000 Series, 2.5" (6.35 cm), 4 Digit, 220 Volt  
SBD-203-406-1: SBD 2000 Series, 4.0" (10.16 cm), 6 Digit, 110 Volt

### Housings



#### Examples:

SBD-005-404-0: Plastic Surface Mount Housing, 4.0" (10.16 cm) Size, 4 Digit  
SBD-008-256-0: Plastic Double Mount Housing, 2.5" (6.35 cm) Size, 6 Digit

\*specification sheets may change without prior notice



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