



Wi-Fi Analog Steel Case Clocks Electric

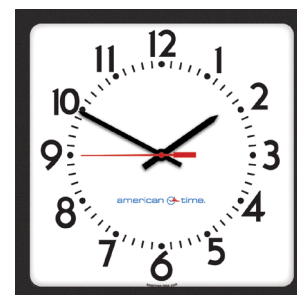
Wi-Fi clocks connect to your existing Wi-Fi network to pull time from an Internet time server. Hang them anywhere you get a Wi-Fi signal. It's one of the fastest and most cost-effective ways to get synchronized time.

FEATURES

- 3 Year Warranty
- Can arrive preconfigured to join your Wi-Fi network
- Automatic Daylight Saving Time adjustment
- Durable steel case
- Up to one hour of continued operation during power outages

SPECIFICATIONS

| | |
|---------------------------|---|
| Clock hour & minute hands | Black |
| Clock second hand | Red |
| Clock case | Steel (black, gray or white finish) |
| Crystal | Convex glass or polymer (polymer only on 12" square and 15") |
| Power | 120/240VAC or 24VAC, 50/60 Hz |
| Current draw | 120VAC - 4.9 mA (max), 2.3 mA (ave - hourly sync) 24VAC - 10.2 mA (max), 9.3 mA (ave - hourly sync) 240VAC - 2.3 mA (max), 1.3 mA (ave - hourly sync) |
| Input Voltage Range | 120VAC/240VAC (110v to 240v) 24VAC (15v to 30v) |
| Plug | 120VAC/240VAC - 10A 125v 2 prong polarized plug, 6 ft. cord 24VAC - 4 position Molex® connector |
| Rear panel indicator | Red, orange and green LED indicates mode status |
| Wi-Fi | 802.11n (802.11b/g compatible, 2.4 GHz only) |
| Supported data rates | 72, 65, 43, 29, 22, 14, 7 Mbps (802.11n) 54, 48, 36, 24, 18, 12, 9, 6 Mbps (802.11g) 11, 5.5, 2, 1 Mbps (802.11b) |
| Security protocols | WEP, WPA/WPA2 and Enterprise (PEAPv0-MSCHAPv2) |
| Configuration | Clocks are pre-configured for plug-n-play installation (standard) or individually configured via Wi-Fi client through web page interface. Supports DHCP or static IP addressing. |
| Antenna type | Internal |
| Time to synchronize | Average time on the network is typically less than 10 seconds. Sync frequency is programmable from 1-12 hours. Staggered synchronization for unnoticeable network load with multiple clocks. Clock will display correct time within 10 minutes of applying power. Automatically adjusts for Daylight Saving Time changes. |
| Time accuracy | ±1 second to SNTP time server. Supports two static IP address time servers for redundancy or pool SNTP domain names |
| Warranty | 3 Years |



PHYSICAL/ENVIRONMENTAL SPECIFICATIONS

| | |
|-----------------------|-------------------------|
| Operating temperature | 41°F to 131°F |
| Storage temperature | 41°F to 131°F |
| Relative humidity | 0% - 95% Non-condensing |

COMPLIANCE

- FCC Part 15 Class B
- ICES-003
- ROHS

ORDERING INFORMATION

| Part # | Description |
|-------------|---|
| W444BHAD904 | 10" Round, surface mount, 120/240VAC |
| W445BHAD?04 | 10" Round, flush mount, 120/240VAC |
| W454BHAD904 | 12" Round, surface mount, 120/240VAC |
| W455BHAD?04 | 12" Round, flush mount, 120/240VAC |
| W457BGAD904 | 12" Square, surface mount, 120/240VAC |
| W458BGAD?04 | 12" Square, flush mount, 120/240VAC |
| W453BHAD204 | 12" Round, double dial, wall mount, 120/240VAC |
| W452BHAD204 | 12" Round, double dial, ceiling mount, 120/240VAC |
| W464BGAD904 | 15" Round, surface mount, 120/240VAC |
| W465BGAD?04 | 15" Round, flush mount, 120/240VAC |
| W463BGAD204 | 15" Round, double dial, wall mount, 120/240VAC |
| W462BGAD204 | 15" Round, double dial, ceiling mount, 120/240VAC |

Other dial styles available. Change the 04 in the part number to change the dial style.

Note: Personalized dial option available. Add L to the end of the part number. Contact us for details.

Note: Replace the BH in the part # with GH for gray bezel finish or WG for white. See color swatches.

Note: For polymer lens on 10" and 12" round clocks, replace the BH in the part # with the 2 letter code for the bezel finish. Additional cost.
BG=Black Sand with polymer lens. GG=Steel Gray with polymer lens.

Note: If flush mounting in an existing backbox, change the ? in the Part # to specify correct hanger type from the key:
1=National Time 5=Simplex®, Dukane, Lathem 6=Cincinnati, Edwards, Faraday, Honeywell 8=Standard™ Electric

Bezel Finishes



Black Sand=BH/BG



Steel Gray=GH
(12" only)



White=WG
(12" & 15" only)

| Part # | Description |
|-------------|--|
| W444BHBD904 | 10" Round, surface mount, 24VAC |
| W445BHBD?04 | 10" Round, flush mount, 24VAC |
| W454BHBD904 | 12" Round, surface mount, 24VAC |
| W455BHBD?04 | 12" Round, flush mount, 24VAC |
| W457BGBD904 | 12" Square, surface mount, 24VAC |
| W458BGBD?04 | 12" Square, flush mount, 24VAC |
| W453BHBD204 | 12" Round, double dial, wall mount, 24VAC |
| W452BHBD204 | 12" Round, double dial, ceiling mount, 24VAC |
| W464BGBD904 | 15" Round, surface mount, 24VAC |
| W465BGBD?04 | 15" Round, flush mount, 24VAC |
| W463BGBD204 | 15" Round, double dial, wall mount, 24VAC |
| W462?GBD204 | 15" Round, double dial, ceiling mount, 24VAC |

OUTSIDE DIMENSIONS

ROUND

"A":

11 1/4" for 10" clocks

13 1/4" for 12" clocks

16 1/4" for 15" clocks

"B" Surface:

2 1/4" for all clocks

"B" Flush:

1 5/8" for all clocks

"B" Double dial:

14 3/8" for 12" clocks

17 1/8" for 15" clocks

"C" Double dial:

8" for 12" & 15" clocks

12" SQUARE

"A" 12 5/8"

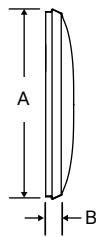
"B" Surface: 3 1/8"

"B" Flush: 1 5/8"

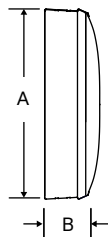
"B" Double dial: 17 1/8"

"C" Double dial: 6 5/8"

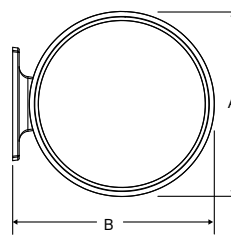
Steel
flush mount



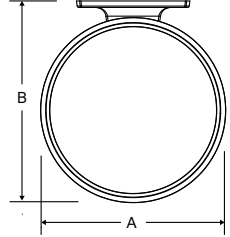
Steel
surface mount



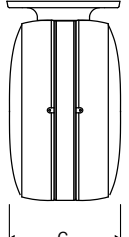
Wall mount round steel
double dial



Ceiling mount round steel
double dial



Steel double
dial profile



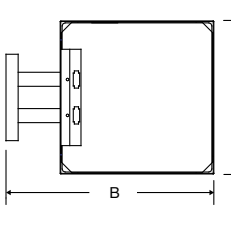
Flush mount
steel square



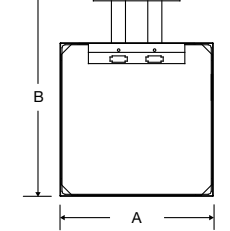
Surface mount
steel square



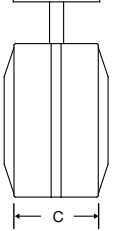
Wall mount steel square
double dial mechanical



Ceiling mount steel square
double dial mechanical



Steel square
double dial profile



At American Time, we continually strive to improve our products to meet our customers' needs and to provide the best possible value. The above specifications are believed to be correct, are subject to change without notice and may otherwise vary from the above. Please call if you need verification of any specifications or the suitability of a particular product for a particular application.

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