DIGITAL WALL CLOCKS

Midwest Time Control's Digital Wall Clocks cover a wide variety of requirements for accurate and easy to read time displays. They are highly accurate electronic clocks with 100% solid state circuitry, no moving parts to wear out. The time is shown on a 4 Inch red LED display (seconds characters are 2.3 inches).

Our clock is enclosed in a black, high-impact ABS plastic housing. Clocks are surface mounted on a single or double gang outlet box. For use in hallways, a double dial hanger bracket is available. The display is visible under normal lighting conditions from distances exceeding 100 feet.

Redesigned in 2017, our clocks utilize an integrated real time clock with an included lithium coin battery that maintains the correct time during periods of power failure. The battery life is rated for up to 10 years.
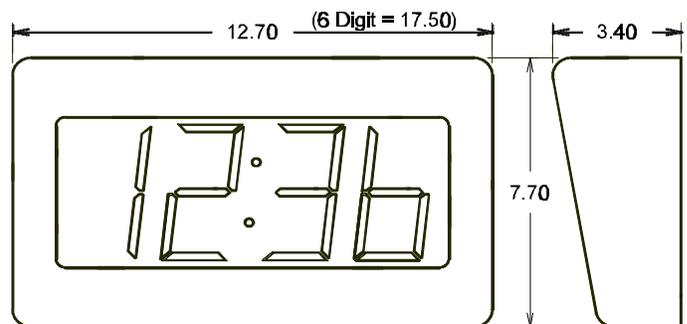
Standard Features
* Four Digit Red 4 inch LED Display
* Real Time Clock with Lithium battery
* Wired Synchronous Secondary
* Internal Manual Time Set Buttons
* 12 or 24 Hour Display
* Mating Connector Supplied
* 115 or 24 VAC Power

Optional Features:

* RS485 Correctable
* Six foot Line Cord
* Six Digits (Hours, Minutes, Seconds)
* Special power available upon request
* Minute Impulse Secondary (additional
  charge for Impulse correction)
* Line Synchronous - 50 Hz
* 24 VAC Power
* Mixed Voltage (Power and Correction)

Specifications

Operating Power .... 115 VAC 60 HZ 5 VA
            (24 & 230 VAC and 50 HZ Available)
Weight .... Approx. 3 Lbs.
Battery Reserve ....Approx. 10 years

Ordering Information

Model

DIC = Independent Clock
DSC = System Clock
DRC = Computer Correctable (RS485)

Correction

Sync. correction (Simplex Timing)

Display Format

Four Digits (Hours, Minutes)
Six Digits (Hours, Minutes, Seconds)

Some variations can be combined for greater flexibility; consult the factory with your requirements.

Independent Clock is line synchronous. The accuracy is within 3 seconds per year with continuous application of power. (Example: DIC-300-115)

Wired Synchronous System Clock is synchronized by a correction signal from a master clock. It may be configured to respond to most industry standard correction signals. (Example: DSC-300-115)

Impulse System Clock is line synchronous and is synchronized with a minute impulse master clock by detecting the end of the rapid correction pulses occurring each hour. The Minute Impulse signal may be 58th or 59th minute correction. It may be a two or three wire system. (Example: DSC-380-115)

Computer Correctable Clock (RS485) Midwest Time Control uses a proprietary protocol for our RS-485 clocks.RS-485 Correctable Digital Clocks manufactured by Midwest Time Control run independently until a signal is received. This signal is checked for proper protocol and correct data. The clock is then set to the time received. These clocks may be synchronized by a master clock, computer, or any other device capable of transmitting a compatible RS-485 signal. Midwest Time Control offers a RS-232 to RS-485 signal converter for connecting to a computer. A PC-based software package is also available. We do not recommend or support USB to RS-485 converters.

We offer an industrial computer package to act as a master clock system, with the GPS option you will have a very accurate (less than 0.100 second lag) clock system.

Midwest Time Control also manufactures a Master Digital Clock that emits a RS485 signal used to correct other digital clocks. This provides a very economical synchronized digital clock system.