



## DIGITAL WALL CLOCKS

2.5 inch Display

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 2.5 Inch Red LED display. The display should be visible under normal lighting conditions from distances exceeding 35 feet.



The D\_B series is an assembly to be mounted in a Clock/Speaker Baffle. The Clock/Speaker Baffle is available from several other sources.



The D\_C series is enclosed in a high impact ABS plastic housing. The Clock is surface mounted on a single or double gang outlet box. For use in hallways, a Double Dial Hanger Bracket is available.



The D\_F series is flush mounted with a Black Panel. The back box is a readily available electrical box.

The clock timing is line synchronous for long term accuracy. An Internal Time Base continues to maintain the correct time during periods of power failure. An Alkaline Battery is supplied for powering the internal time base.

### Standard Features

- \* Four Digit Red 2.5 inch LED Display
- \* Line Synchronous Timing - 60 Hz
- \* Wired Synchronous Secondary
- \* Battery Back Up for time keeping
- \* 12 or 24 Hour Display
- \* Mating Connector Supplied
- \* 115 VAC Power

### Optional Features:

- \* Rechargeable NiCad Battery
- \* 220 VAC Power
- \* Six foot Line Cord
- \* Stainless Steel Front Panel  
(Sealed for Wash-down areas)

### Special Order Features (No Charge)

- \* RS485 Correctable
- \* Hours, Tenths, Hundredths Display
- \* Minute Impulse Secondary
- \* 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 . . . . . (Alkaline) - Approx. 20 Hours  
(NiCad) - Approx. 5 Hours

## Ordering Information

### Model

Dlx = Independent Clock  
 DSx = System Clock  
 DRx = Computer Correctable (RS485)

x = C - ABS Plastic Case  
 x = B - Clock/Speaker Baffle  
 x = F - Flush Mount

### Correction

20 = Sync. correction (MidWest Timing)  
 21 = Sync. correction (Standard Timing)  
 22 = Sync. correction (National Timing)  
 27 = Minute Impulse, 58th Minute  
 28 = Minute Impulse, 59th Minute

### Display Format

0 = Four Digits (Hours, Minutes)  
 1 = Four Digits (Hours, Tenths, Hundredths)

**Example:** DSC-200-115 = Digital Secondary Clock, MidWest (Simplex) Wired-Synchronous Correction, 115 vac Power

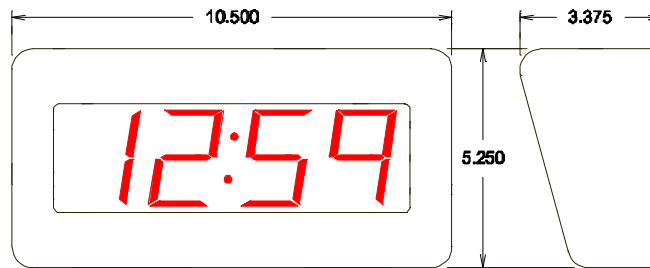
Custom versions of this Digital Clock (Special Time Update Methods, Special Mounting, etc.) are available. Consult the factory for these special needs.

**Independent Clock** is line synchronous. The accuracy is within 3 seconds per year with continuous application of power. (Example: DIC-200-115)

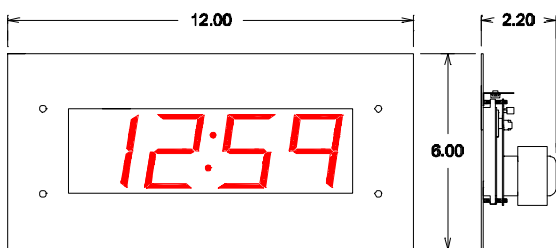
**Wired Synchronous System Clock** is synchronized by a correction signal from a master clock. It may be configured to respond to most industry standard correction signals. (Example: DSB-200-24)

**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-280-115)

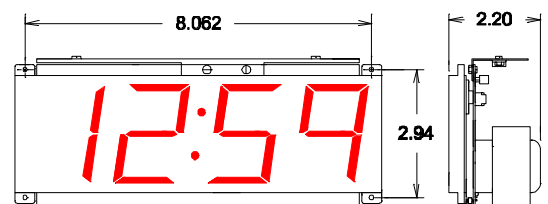
**Computer Correctable Clock (RS485)** is correctable by 2 wire (RS485) communication from a computer system. It can also be synchronized from the RS485 output of Midwest Time Control's master clocks. The RS485 Baud Rate is selectable at 1200, 2400, 4800 or 9600. The RS485 communication line may be shared with multiple devices. RS485 signals are easily derived from RS232 ports that are available on most computer systems. (Midwest Time Control offers a RS232 to RS485 signal converter for this purpose.) (A PC based software package is available.) (Example: DRC-200-115)



D\_C-200-xxx



D\_F-200-xxx  
 Back Box = 680016-01



D\_B-200-xxx