

Technical Information *CD-236 6 digit digital clock*

- Dip switch settings.	On	Off
Switch 6:	colon on	colon blinks
Switch 7:	24 hr. display	12 hr. display

- Display:

6 digit red led with hour and minute being 2.3" high and the seconds being 1" in high. The leading zero will be displayed when the clock is used in a 24 hour display mode (05:45:00), and not displayed when in a 12 hour display mode (5:45:00).

Two push buttons are available for setting the time on the flush mount only.

- Operating voltages:

120 VAC @ .004 amp (4 ma.)

24 VAC @ .02 amp (20 ma.)

This is a factory option and is not field changeable. The correction voltage works with either 24 VAC or 120 VAC. See label on back of clock.

Black wire – hot (24 or 120 VAC)

White wire– neutral

Red wire – correction input (24 or 120 VAC)

- Correction schemes:

Two correction schemes are available from the factory.

59th. Minute, three wire synchronous.

National time and Rauland Borg.

They are not field selectable.

Operates as a secondary clock to virtually any master clock.

- Time Keeping during a power outage:

Back up time keeping is done internally (with out batteries) during a power outage for approximately 2 hours. Optional backup to approximately 20 hours is available as a option.

The display is not illuminated during a power outage.

- Mounting :

The CD-236 may be ordered as a flush mount that fits a Simplex back box or with a black texture metal case for a surface mount. The surface mount case slopes down for easier viewing and mounts to a single gang electrical box.

- Start Up Routine:

At initial power up the clock will light up each number individually so you may check that all LED's are lighting up. It will then display 18:88:56 and the minutes and seconds will start counting. The clock will take correction any time after this start up routine. I.e. The first hourly correction will correct the minutes to 58:05. The first 12 hour correction will @ 5:57:54 will correct the clock to 5:58:05 and implement the back up time keeping. The clock will display hours as 18 until a 12 hour correction has been received.

- Testing Correction Circuit:

You may manually check the clocks correction circuitry by disconnecting the red wire from any system wiring and touching it to the black wire for 8 seconds. The clock will correct the minutes to 58:05.