



# ***CCK-3104 Display***

**Operations Manual**

***Serial Time Display***



- Add time of day display to access control and data collection systems
- Readable from 100 feet
- Indoor use
- Standard 12 hour or Military 24 hour formats
- 12VDC operation
- Custom system interfaces available

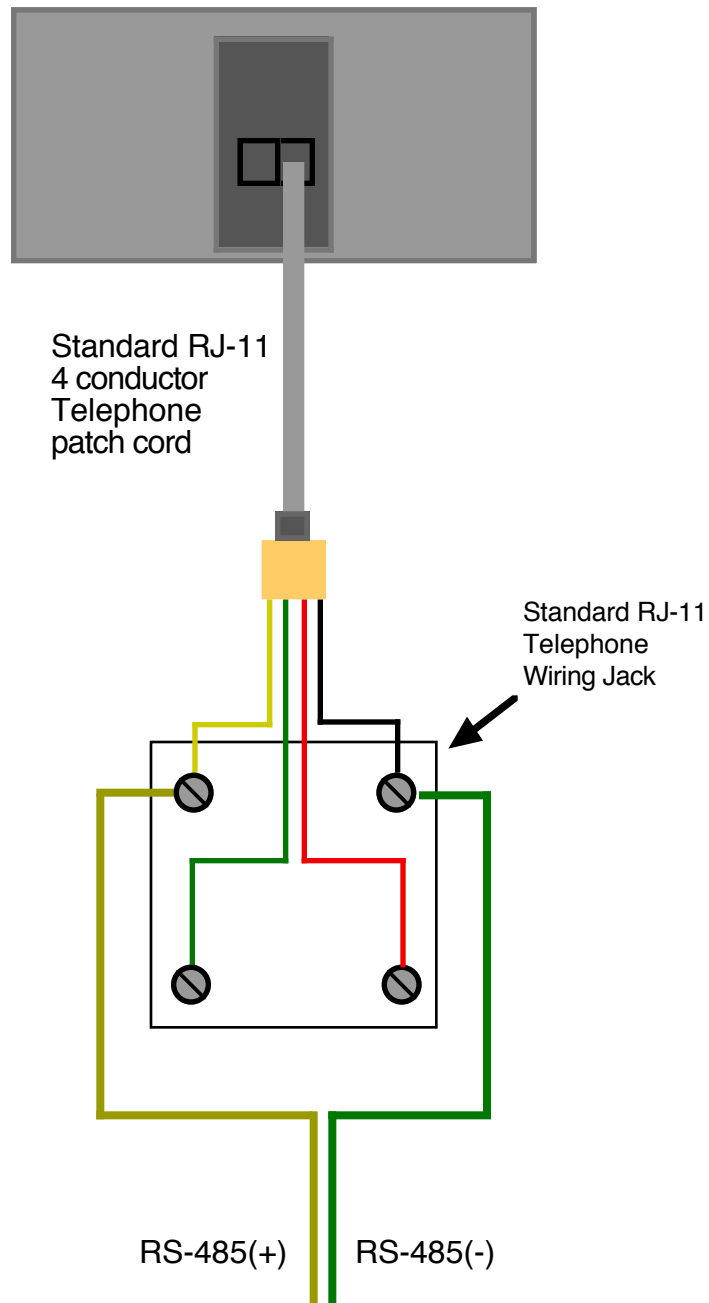


**MAN-CCK-3104-v102**

## Specifications

| Clock Dimensions:                   | 13.5" x 7.5" x 2.2" ( 34.3 cm x 18.0 cm x 5.6 cm )<br>Length x Height x Depth                                       |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Weight:                             | 1.7 lbs ( 0.78 kg ) - clock<br>1.1 lbs (0.50 kg )power adapter<br>1.1 lbs (0.50 kg) serial driver ( if needed )     |
| Numerical Height:                   | 4" ( 10.2 cm )                                                                                                      |
| Power:                              | Power: Uses 30 Watt transformer, UL listed, CSA certified, 120 VAC (transformer input voltage range is 100-130 VAC) |
| Battery backup:                     | Built in 15 day backup                                                                                              |
| Serial Interface:                   | Surge protected, RS-485 - 4000 feet at 9600 baud                                                                    |
| Network limitations:                | 32 drops                                                                                                            |
| Clock Driver                        | (standard) CCX-1350<br>( mercury panel ) CCX-1360                                                                   |
| Operating Temperature:<br>Humidity; | 0oC - 49oC ( 32oF - 120oF )<br>0% - 95% Non-condensing                                                              |
| Warranty:                           | 1 Year factory defect and workmanship                                                                               |

## Reference Wiring Diagram - CVX-1350 to CCK-3104 RS-485 Network connections

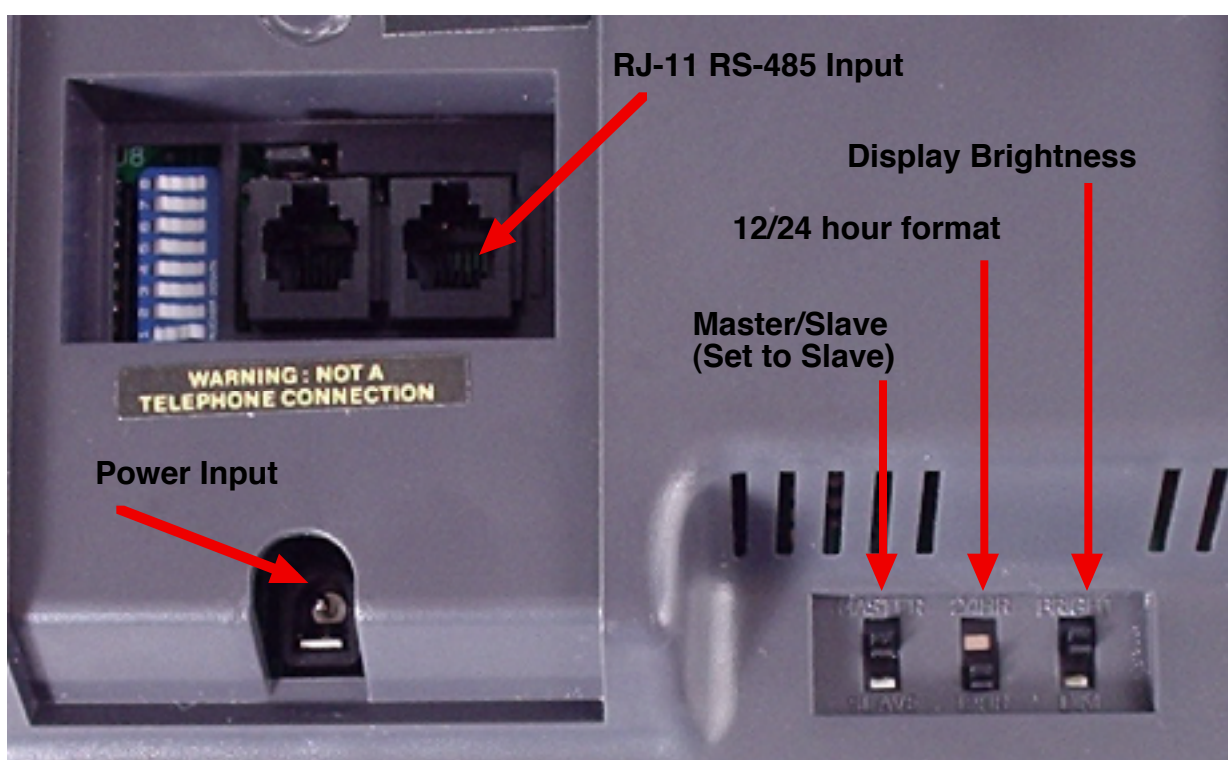


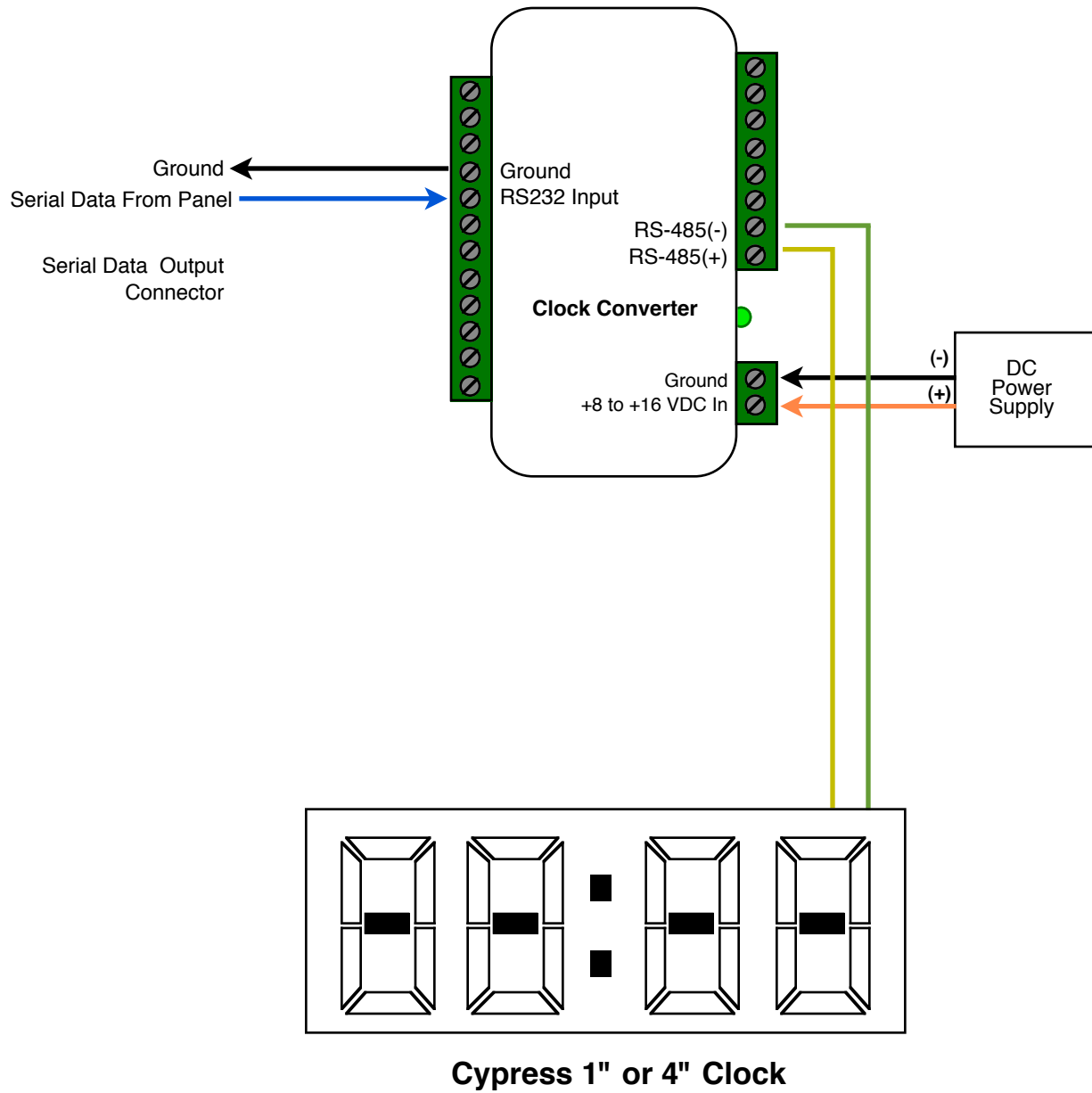
**RS-485 Connection to Converter**

## CCK-3104 Time Zone adjustment settings

| Offset Hours | DIP 1 | DIP2 | DIP3 | DIP4 | DIP7 |  | Offset Hours | DIP 1 | DIP2 | DIP3 | DIP4 | DIP7 |
|--------------|-------|------|------|------|------|--|--------------|-------|------|------|------|------|
| +0           | OFF   | OFF  | OFF  | OFF  | OFF  |  | -0           | OFF   | OFF  | OFF  | OFF  | ON   |
| +1           | ON    | OFF  | OFF  | OFF  | OFF  |  | -1           | ON    | OFF  | OFF  | OFF  | ON   |
| +2           | OFF   | ON   | OFF  | OFF  | OFF  |  | -2           | OFF   | ON   | OFF  | OFF  | ON   |
| +3           | ON    | ON   | OFF  | OFF  | OFF  |  | -3           | ON    | ON   | OFF  | OFF  | ON   |
| +4           | OFF   | OFF  | ON   | OFF  | OFF  |  | -4           | OFF   | OFF  | ON   | OFF  | ON   |
| +5           | ON    | OFF  | ON   | OFF  | OFF  |  | -5           | ON    | OFF  | ON   | OFF  | ON   |
| +6           | OFF   | ON   | ON   | OFF  | OFF  |  | -6           | OFF   | ON   | ON   | OFF  | ON   |
| +7           | ON    | ON   | ON   | OFF  | OFF  |  | -7           | ON    | ON   | ON   | OFF  | ON   |
| +8           | OFF   | OFF  | OFF  | ON   | OFF  |  | -8           | OFF   | OFF  | OFF  | ON   | ON   |
| +9           | ON    | OFF  | OFF  | ON   | OFF  |  | -9           | ON    | OFF  | OFF  | ON   | ON   |
| +10          | OFF   | ON   | OFF  | ON   | OFF  |  | -10          | OFF   | ON   | OFF  | ON   | ON   |
| +11          | ON    | ON   | OFF  | ON   | OFF  |  | -11          | ON    | ON   | OFF  | ON   | ON   |
| +12          | OFF   | OFF  | ON   | ON   | OFF  |  | -12          | OFF   | OFF  | ON   | ON   | ON   |
| +13          | ON    | OFF  | ON   | ON   | OFF  |  | -13          | ON    | OFF  | ON   | ON   | ON   |
| +14          | OFF   | ON   | ON   | ON   | OFF  |  | -14          | OFF   | ON   | ON   | ON   | ON   |
| +15          | ON    | ON   | ON   | ON   | OFF  |  | -15          | ON    | ON   | ON   | ON   | ON   |

DIP Switch #5 and #8 should always be OFF





## DIP Switch Settings

| #  | DIP Switch Setting |   |   |   |   |   |   |   | Application                |                             |                         |                      |
|----|--------------------|---|---|---|---|---|---|---|----------------------------|-----------------------------|-------------------------|----------------------|
|    |                    |   |   |   |   |   |   |   | Input                      |                             | Output                  |                      |
|    | 1                  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Interface                  | Format                      | Interface               | Format               |
| 0  |                    |   |   |   |   |   |   |   | Test Mode                  |                             |                         |                      |
| 1  | X                  |   |   |   |   |   |   |   | Reserved                   | Reserved                    | Reserved                | Reserved             |
| 2  |                    | X |   |   |   |   |   |   | CCK-1235<br>(RS-232)-9600  | Casi Micro 5                | RS-485                  | CCK-1101<br>CCK-1104 |
| 3  | X                  | X |   |   |   |   |   |   | CCK-1235A<br>(RS-232)-9600 | New -<br>Casi Micro 5       | RS-485                  | CCK-1101<br>CCK-1104 |
| 4  |                    |   | X |   |   |   |   |   | CCK-1238<br>(RS-232)-1200  | Sensormatic<br>ASCII Serial | RS-485                  | CCK-1101<br>CCK-1104 |
| 5  |                    |   | X |   |   |   |   | X | CCK-1230<br>(RS-232)-1200  | Sensormatic<br>ASCII Serial | RS-485                  | CCK-1201<br>CCK-1204 |
| 6  |                    | X |   |   |   |   |   | X | CCK-1235<br>(RS-232)-9600  | Casi Micro 5                | RS-485                  | CCK-1201<br>CCK-1204 |
| 7  | X                  | X |   |   |   |   |   | X | CCK-1235A<br>(RS-232)-9600 | New -<br>Casi Micro 5       | RS-485                  | CCK-1201<br>CCK-1204 |
| 8  |                    | X | X |   |   |   |   |   | CCK-1235<br>(RS-232)-9600  | Casi Micro 5                | RS-485<br>1 Sec. Update | CCK-1101<br>CCK-1104 |
| 9  | X                  | X | X |   |   |   |   |   | CCK-1235A<br>(RS-232)-9600 | New -<br>Casi Micro 5       | RS-485<br>1 Sec. Update | CCK-1101<br>CCK-1104 |
| 10 |                    | X | X |   |   |   |   | X | CCK-1235<br>(RS-232)-9600  | Casi Micro 5                | RS-485<br>1 Sec. Update | CCK-1201<br>CCK-1204 |
| 11 | X                  | X | X |   |   |   |   | X | CCK-1235A<br>(RS-232)-9600 | New -<br>Casi Micro 5       | RS-485<br>1 Sec. Update | CCK-1201<br>CCK-1204 |
| 12 |                    |   |   | X |   |   |   | X | CCK-1235<br>(RS-232)-9600  | Casi Micro 5                | RS-485                  | CCK-3104             |
| 13 | X                  |   |   | X |   |   |   | X | CCK-1235A<br>(RS-232)-9600 | Casi Micro 5                | RS-485                  | CCK-3104             |
| 14 |                    |   | X |   |   |   |   | X | CCK-1238<br>(RS-232)-1200  | Sensormatic<br>ASCII Serial | RS-485                  | CCK-3104             |
| 15 |                    |   | X |   |   |   |   | X | CCK-1230<br>(RS-232)-1200  | Sensormatic<br>ASCII Serial | RS-485                  | CCK-3104             |
| 16 |                    |   |   |   |   |   |   |   |                            |                             |                         |                      |
| 17 |                    |   |   |   |   |   |   |   |                            |                             |                         |                      |
| 18 |                    |   |   |   |   |   |   |   |                            |                             |                         |                      |
| 19 |                    |   |   |   |   |   |   |   |                            |                             |                         |                      |
| 20 |                    |   |   |   |   |   |   |   |                            |                             |                         |                      |