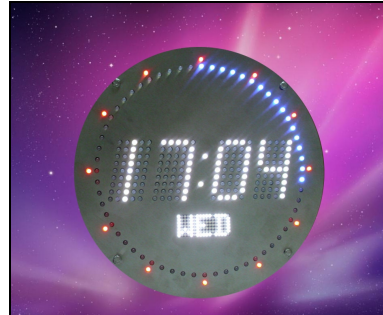


Digital Circle Line Clock

- * Multi display format with Weekday/60-sec circle/5-min indicator
- * Choice of display colours Red/Green/Amber/Blue/White
- * Master / Slave clock or stand-alone mode
- * High accuracy
- * 12/24 hour format



The Digital Circle Line clock series has been designed for commercial and Industrial timing applications. The clocks can be configured in standalone or Master /Slave networking operating mode. In Master/Slave mode, it is recommended to order the Master clock unit which has been designed to have 4 x RS485 com ports for driving the slave clocks in the network. There is GPS port or LAN port equipped in the Master clock unit for Synchronizing the master clock from external GPS receiver or remote NTP/SNTP Time servers respectively in turn the non accumulative high precision time signal is driven along the path and fed to the slave clocks within the network. The Slave clocks can be modified and interfaced to work with other leading Master Clock Units through its proprietary serial data packet mode.

When the clock is put in standalone working mode, there are local control buttons provided at the back side of the clock for initialization clock setting. The Time clock display is shown in 76mm digit height in HH:MM format and an optional 27mm character height 7 x 17 dots window showing the “weekday” or “optional city zone” in 3 letters. Multi units can be connected upto form Time Zone Clocks. In addition to that , there is an unique LED circle line showing seconds in the manner at one dot per sec. The outer LED circle is for 5 min indicator. Each lit up dot at the minute circle represents at 5 mins interval.

| | |
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| <p style="text-align: center;">System Wiring Diagram</p> | <p>Master Clock Control Unit <u>Model MCC-01</u></p> <p>Accuracy: +/-2 ppm stand-alone mode +/-200ms non accumulative by NTP/SNTP sync +/-20ms non accumulative by GPS sync mode</p> <p>Time Sync to Slave clocks: 2 wire RS485 ports x 4</p> <p>Alarm Relay: supported</p> <p>LED indicators: Power/PoE/NTP Sync/GPS Syncs/Unsync</p> <p>Housing: 483 x 44.5 x 210mm (1U Rack mount)</p> <p>Voltage: 100~240VAC 50/60 Hz or PoE (IEEE802.3af)</p> |
|--|---|

| General Specification | |
|---------------------------------|--|
| Model | CIR-CLK-301 |
| Display Format | HH:MM; Weekday/City; 60-sec circle; 5-min indicator |
| Digit Height | HH:MM – 76mm height; Weekday/City – 30mm height (optional) |
| Choice of Display Colour | Red / Green / Amber / Blue / White |
| Dimensions | 340mm dia round shape; 340 x 340 x 70 mm square shape |
| Time Synchronization | Master Clock Control Unit – sync through SNTP Protocol/GPS Slave Clock – sync through 2-wire RS485 port |
| Device Setting | Time setting via buttons at the back or Time Zone / DLS via PC |
| Operation mode | Stand-alone / Connect to Master Clock Control unit as Slave Clock |
| Operating Voltage | 12V DC operated |
| External Power Supply | 100~240V AC switching power supply |

PR-1210/Circlk002



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