



CDT DISPLAY FEATURES

- ◆ High-brightness 7-segment LED displays to show Time and Count Up/Down Time
- ◆ Accepts time signals IRIG-B/Customized IRIG-B
- ◆ Available 100mm size
- ◆ It can show either UTC or local time
- ◆ Adjustable time zone
- ◆ Rugged and robust displays
- ◆ Isolated and protected Interfaces
- ◆ Cabinets made up of MS
- ◆ The cabinet is powder coat finished
- ◆ Wall mountable
- ◆ Protection class – IP 20
- ◆ Time signal Input status can be identified with colon LEDs for IRIG-B Signal
- ◆ Front plate covered with Red color acrylic sheet

APPLICATIONS

- ◆ Event timing
- ◆ Process monitoring
- ◆ Operational countdown

CDT DISPLAY

The CDT Display is a compact and reliable time display solution designed to synchronize and maintain accurate time and event counting for industrial and process control applications using an IRIG-B/ Customized IRIG-B input signal. The system ensures precise and uniform time display across all connected CDT displays

The CDT Display receives the IRIG-B timing signal from a master clock or timing source and decodes it to present accurate real-time clock information in HH:MM:SS format. In addition, the system supports count-up (+HH:MM:SS) and count-down (-HH:MM:SS) timer modes using Customized IRIG-B signal . A dedicated display segment is provided to indicate the operating mode, where “+” denotes the up-counter mode and “-” denotes the down-counter mode, ensuring clear and unambiguous visual identification. This makes the CDT Display well suited for event timing, process monitoring, and operational countdown applications.

Power Supply

| | |
|-------------------|--|
| Standard | 85 to 260V AC, 1 ϕ , (47Hz to 63Hz) or 90V to 370V DC |
| Power Consumption | <10W |

Input Signal

| | |
|------------------------|---------------------------|
| Supported Input Signal | IRIG-B /Customized IRIG-B |
| Input Selection switch | IRIG-B /Customized IRIG-B |
| Input Connector | BNC Female |
| Carrier Frequency | Carrier: 1kHz |
| Modulation Ratio | 3:1 |
| Input Voltage | 5V (p-p) |

Display

| | |
|---------------------|------------|
| Display Type | 7 Segment |
| No of Digit | 7 |
| Time Display Format | HH:MM:SS |
| Count-Up Display | +HH:MM:SS |
| Count-Down Display | - HH:MM:SS |
| Display Size | 100mm |
| Color | Bright Red |

Environment

| | |
|------------------|--------------------|
| Operating Temp | 0°to 50°C |
| Humidity | 95% Non-Condensing |
| Mechanical | Wall Mountable |
| Protection Class | IP20 |