# DS/DT DIGITAL CLOCKS

## LED DISPLAYED DIGITAL CLOCKS

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# DS/DT DIGITAL CLOCKS

## • APPEARANCE

Super-bright 7 segment LED displayed, black coated steel outer case, protective front acrylic glass cover.

## • UNIQUE ADDRESS IN SYSTEM

Every clock has an unique address in the system, which enables the point-to-point supervision from the master clock or the control PC. Every clock in the system runs independently from each other.

## • OFF-LINE OPERATION

The clock receives and is synchronized to the time signal from the master clock in normal operation. When there's lack of complete time signal from the master clock, the secondary clock will switch to its own time reference automatically without any delay. It will switch back to the external time signal when the signal is resumed.

## • REAL TIME CLOCK

The real time clock and the backup power inside enabled the clock's continuous running on its own time reference during the power failure (without display), so that it can display the correct real time upon power recovery even without master clock.

## • LED COLOR DISPLAYED

**R** – Red **G** – Green **A** – Amber

## • SERIES

**DS** - Standard secondary digital clock, displaying hour/minute or hour/minute/second, receives and synchronizes to the time signal from the master clock or control PC and supervised by the master clock and the PC

**DT** - Two operation modes (Standard clock or timer) switchable. In standard mode, it works as a standard DS clock while in timer mode it's used as a timer clock for conference timing, operation timing, and sports timing, etc.

## • DISPLAY STYLE

**A** **B** **C**

**S** – Single-faced **D** – Double-faced

## • TECHNICAL FEATURES

| | | | |
|---|---|---|---|
| **Display Mode** | Static display | **Working Temp.** | 0°C ~ 50°C |
| **Control Method** | Micro-processor controlled | **Working Humidity** | 0% ~ 95%, no condensing |
| **Point-to-point Control** | Enabled | **Power supply** | 220vac/50Hz |
| **Operation** | Independent running, synchronized by master clock or PC | **Time Keeping during power failure** | 6 months |
| **Internal Real Time Clock** | Enabled | **Control Distance** | 1200m |
| **Off-line Operation** | Enabled | **Power Consumption** | 10 ~ 50 w (depends on model) |
| **Display Material** | 7 segment LED digit | **Interface** | RS485 |
| **Synchronization Error** | • •0.1 ms | **Mounting** | Wall surface mounting / Ceiling suspension mounting |

## • SELECTION TABLE

**D S / D T DIGITAL CLOCKS**

| MODEL REFERENCE | | | | | PARAMETERS | | | |
|---|---|---|---|---|---|---|---|---|
| SERIES | TYPE | DIGIT HEIGHT | FACES | COLOR | LED HEIGHT | READ DISTANCE | SIZE mm | POWER SUPPLY |
| DS / DT | A | 23 | S / D | R / G / A | 2.3" / 58mm | 25 m | 300 x 90 | 220 v / 50 Hz |
| DS / DT | B | 23 | S / D | R / G / A | 2.3" / 58mm | 25 m | 420 x 90 | 220 v / 50 Hz |
| DS / DT | C | 23 | S / D | R / G / A | 2.3" / 58mm | 25 m | 350 x 90 | 220 v / 50 Hz |
| DS / DT | A | 30 | S / D | R / G / A | 3" / 76mm | 35 m | 400 x 140 | 220 v / 50 Hz |
| DS / DT | B | 30 | S / D | R / G / A | 3" / 76mm | 35 m | 540 x 140 | 220 v / 50 Hz |
| DS / DT | C | 30 | S / D | R / G / A | 3" / 76mm | 35 m | 480 x 140 | 220 v / 50 Hz |
| DS / DT | A | 40 | S / D | R / G / A | 4" / 101mm | 50 m | 530 x 180 | 220 v / 50 Hz |
| DS / DT | B | 40 | S / D | R / G / A | 4" / 101mm | 50 m | 740 x 180 | 220 v / 50 Hz |
| DS / DT | C | 40 | S / D | R / G / A | 4" / 101mm | 50 m | 620 x 180 | 220 v / 50 Hz |
| DS / DT | A | 50 | S / D | R / G / A | 5" / 127mm | 65 m | 600 x 230 | 220 v / 50 Hz |
| DS / DT | B | 50 | S / D | R / G / A | 5" / 127mm | 65 m | 860 x 230 | 220 v / 50 Hz |
| DS / DT | C | 50 | S / D | R / G / A | 5" / 127mm | 65 m | 720 x 230 | 220 v / 50 Hz |
| DS / DT | A | 70 | S / D | R / G / A | 7" / 178mm | 85 m | 800 x 280 | 220 v / 50 Hz |
| DS / DT | B | 70 | S / D | R / G / A | 7" / 178mm | 85 m | 1200 x 280 | 220 v / 50 Hz |
| DS / DT | C | 70 | S / D | R / G / A | 7" / 178mm | 85 m | 1040 x 280 | 220 v / 50 Hz |
| DS / DT | A | 80 | S / D | R / G / A | 8" / 200mm | 100 m | 900 x 320 | 220 v / 50 Hz |
| DS / DT | B | 80 | S / D | R / G / A | 8" / 200mm | 100 m | 1380 x 320 | 220 v / 50 Hz |
| DS / DT | C | 80 | S / D | R / G / A | 8" / 200mm | 100 m | 1200 x 320 | 220 v / 50 Hz |
| DS / DT | A | 100 | S / D | R / G / A | 10" / 250mm | 120 m | 960 x 400 | 220 v / 50 Hz |
| DS / DT | B | 100 | S / D | R / G / A | 10" / 250mm | 120 m | 1440 x 400 | 220 v / 50 Hz |
| DS / DT | C | 100 | S / D | R / G / A | 10" / 250mm | 120 m | 1240 x 400 | 220 v / 50 Hz |

*** Please refer to the previous page for information of TYPE, FACES, and LED COLOR.**

## • WIRING

Cable Type: RVS or UTP5

Cable Diameter: • 0.5mm

Connection Style: Parallel on bus line

Bus Line Length in maximum: 1200 m

## • MOUNTING

Single-faced clock is to be mounted on the surface wall and the double-sided clock is to be suspension mounted from the ceiling or to the wall.