



# TECHNICAL DATASHEET

## PRODUCT NAME

Jumbo Industrial Clock

## PRODUCT CODE

CLXX-YD

## CATEGORY

Digital Clocks



## FEATURES

### Multiple Synchronization Methods

- Manual Setting
- GPS Synchronization
- NTP Server Synchronization
- RS485 Master Slave System
- Zigbee Master-Slave System

### High Visibility Displays

- Sizes: 2", 4", 6", 8", 12", 18", 24"
- Formats: HH:MM, DD.MM.YYYY  
HH:MM
- Brightness: 700 cd/m<sup>2</sup>
- Viewing Angle: 120°

### Rugged Physical Design

- Enclosure Material: Aluminum/Steel
- Mounting Options: Wall-Mount, Ceiling-Mount, Standalone

## PRODUCT DESCRIPTION

The Jumbo Industrial Clock series is designed to provide precise and reliable timekeeping solutions for demanding industrial environments.

With a range of synchronization options and high-visibility displays, these clocks ensure accurate time display across large spaces, making them ideal for factories, warehouses, transportation hubs, and more.

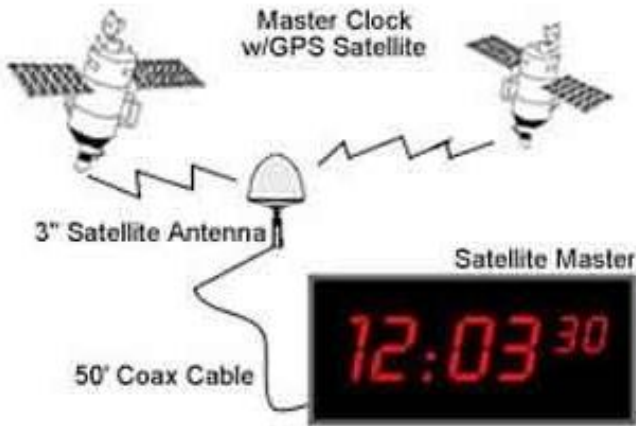
Engineered for durability and ease of use, the Jumbo Industrial Clocks are perfect for settings where accurate time management is crucial.

## APPLICATIONS

- Factories
- Warehouses
- Transportation Hubs
- Manufacturing Plants
- Healthcare Facilities
- Large Campuses

# SYNCHRONIZATION TYPES

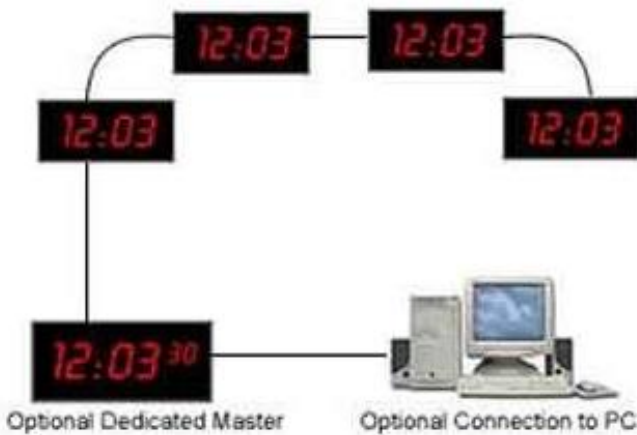
## GPS SYNC



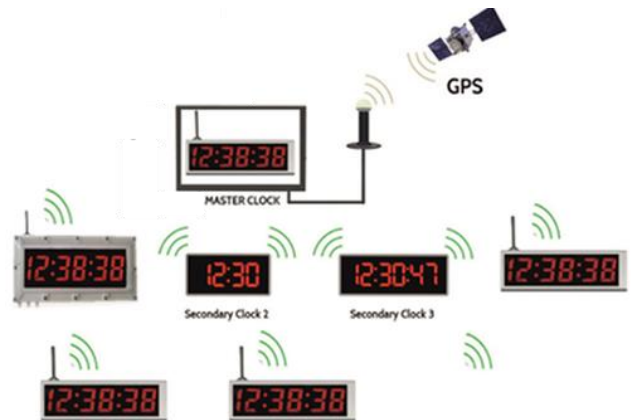
## NTP SERVER SYNC



## RS485 MASTER SLAVE SYNC



## WIRELESS MASTER SLAVE SYNC



# DISPLAY SELECTION METHOD

### By Viewing Distance

VIEWING DISTANCE	DISPLAY HEIGHT	
4 m	0.5 Inch	12 mm
8 m	1 Inch	25 mm
20 m	2 Inch	50 mm
50 m	4 Inch	100 mm
100 m	6 Inch	150 mm
125 m	8 Inch	200 mm
200 m	12 Inch	300 mm

Table 9

### By Area / Environment

DISPLAY TYPE	USE CASE
FnD Display	Indoor
DoT LED Display	Outdoor. Day Visibility in direct sunlight
P10 Matrix Display	Outdoor. Viewing distance over 200 meters

Table 10



FnD Display



Dot LED Display

## TECHNICAL SPECIFICATIONS

### DISPLAY

Model	CLxx-4D	CLxx-6D	CLxx-14D
Display Format	HH:MM	HH:MM:SS	DD.MM.YYYY HH:MM:SS
Digits	4	6	14
Display Color	Red Green / White / Amber (Optional)		
Display Type	Refer Table		
Display Height	Refer Table		
Viewing Distance	Refer Table		

### SYNCHRONIZATION

Sync Type	Manual Setting	GPS	NTP Server	RS485 Slave	Zigbee Slave
Accuracy	±60 sec/day	±10 ms	±1-10 ms		±10 ms
Configuration Time	<5 min	10-15 min	15-30 min		15-30 min
Dependencies	None	GPS Antenna	Network Access		Zigbee Network
Signal Source	N/A	GPS Satellites	NTP Server		Zigbee Master Clock
Setup Complexity	Low	Medium	High		Medium
Power Consumption	Standard	Standard + GPS module	Standard + Network module		Standard + Zigbee module
Maintenance Interval	Monthly	-	Quarterly		Quarterly
Time Drift	High	Negligible	Negligible		Negligible
Environmental Impact	None	Obstructions, Weather	Network Quality		Interference, Obstructions
Use Cases	Low-Precision	High-Precision	Enterprise		Industrial, Wireless

### PHYSICAL

Enclosure	IP54 , Upgradable to IP65
Mounting	Refer Table
Dimensions	Refer Table
Panel Cut out	Refer Table
Weight	Refer Table
Enclosure	MS Power Coated
Terminal Cable Size	2.5 mm sq.

### CONNECTORS TERMINAL

Connection Type	Screw Terminal
Power Connection	Live , Neutral , Earth
Power Supply TB Type	3 Pin Barrier Terminal
Signal Connector	Relay Contacts : COM , NO, NC
Power Supply TB Type	2 Pin Barrier Terminal

### Power Supply

Supply Voltage	85-265VAC
Power consumption	Refer Table 11,12
Transmitter Power Supply (Optional)	24VDC (±10%) @50mA

### ENVIRONMENTAL

Operating Temperature	0-55 °C
Storage Temperature	0-80 °C
Humidity	20-95% RH non-condensing

## MODEL WISE SPECIFICATIONS

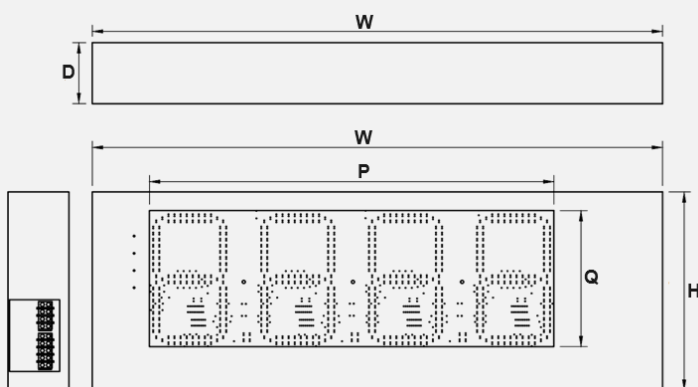


Figure 2: CLXX

Model	Display Height	Display Type	Viewing Distance	Display Dimensions (P x Q) mm	Overall Dimensions (H x W x D) mm	Weight	Power Consumption
<b>Model: CLxx-4D Format: HH:MM</b>							
PR02-4D	2"	FnD	20 meter	200 x 70	144 x 288 x 160	2 kg	<3W
PR04-4D	4"	FnD	50 meter	370 x 125	190 x 460 x 80	3 kg	<4W
PR06-4D	6"	Dot LED	100 meter	525 x 175	260 x 750 x 80	4.5 kg	<12W
PR08-4D	8"	Dot LED	125 meter	590 x 205	280 x 800 x 80	5 kg	<14W
PR12-4D	12"	Dot LED	200 meter	920 x 310	480 x 1120 x 80	9 kg	<20W
<b>Model: CLxx-6D Format: HH:MM:SS</b>							
PR02-5D	2"	FnD	20 meter	200 x 70	144 x 288 x 160	2 kg	<3W
PR04-5D	4"	FnD	50 meter	370 x 125	190 x 460 x 80	3 kg	<4W
PR06-5D	6"	Dot LED	100 meter	525 x 175	260 x 750 x 80	4.5 kg	<12W
PR08-5D	8"	Dot LED	125 meter	590 x 205	280 x 800 x 80	5 kg	<14W
PR12-5D	12"	Dot LED	200 meter	920 x 310	480 x 1120 x 80	9 kg	<20W
<b>Model: CLxx-14D Format: DD.MM.YYYY HH:MM:SS</b>							
PR02-14D	2"	FnD	20 meter	200 x 70	144 x 288 x 160	2 kg	<3W
PR04-6D	4"	FnD	50 meter	370 x 125	190 x 460 x 80	3 kg	<4W
PR06-6D	6"	Dot LED	100 meter	525 x 175	260 x 750 x 80	4.5 kg	<12W
PR08-6D	8"	Dot LED	125 meter	590 x 205	280 x 800 x 80	5 kg	<14W
PR12-6D	12"	Dot LED	200 meter	920 x 310	480 x 1120 x 80	9 kg	<20W

Table 11

All specifications are subject to change without notice due to continuous improvements.