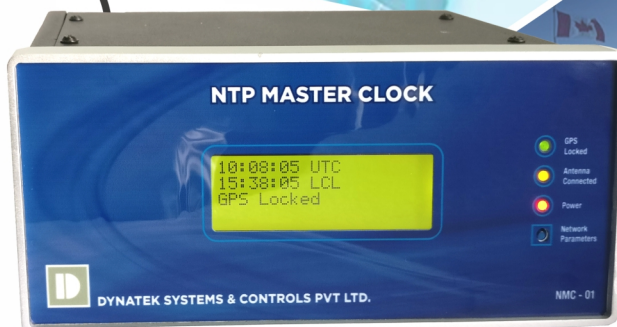


DTM
**DYNATEK
INSTRUMENTS
PRIVATE LIMITED**





Consistent and accurate time across an organization keeps things running efficiently and smoothly. In a commercial environment time wasted on waiting for co-workers to arrive at a meeting or training session translates directly into lost productivity. Synchronized time in industrial environment promotes schedule adherence, helping the entire team meet productivity goals.

In healthcare facilities and Pharma Industry the synchronized hospital clocks are critical to daily operations, whether it's checking on patients or delivering medications. Schools & Universities rely on accurate timekeeping to smoothly transition students from one class to the next.

Dynatek offers very precise and a complete solution for these vital needs.

Dynatek offers various technology clocks as per the Industry and site requirement.

Mainly there are three type of technology :

1) Ethernet Based 2) Wi-Fi 3) Wireless RF based (868Mhz)

Taking the time from GPS Satellite and GPS Master clock retransmit the time to all digital slave clocks.

Various sizes, display colours and the materials of construction are available for different applications.

FEATURES

- ◆ Time Source - GPS satellite or NTP server.
- ◆ Ethernet communication for reliable and accurate timing in all premises.
- ◆ Existing LAN networks can be used.
- ◆ Any no. of clocks can be connected.
- ◆ Network connectivity status can be checked through PC.
- ◆ Time synchronizing software can be loaded to any working PC.
- ◆ 39 Time zones and daylight saving time adjustment.
- ◆ Connectivity Status report generation facility.
- ◆ PoE option is available.
- ◆ Audio indication in case of disconnection of any clock from LAN network.
- ◆ Three schedules of 50 alarms can be programmed.
- ◆ Audio indication and e-mail in case of disconnection of any clock from LAN network.
- ◆ Password protected software.

APPLICATIONS

- ◆ Pharma Manufacturing Facilities
- ◆ Automotive Industries
- ◆ Management School & Colleges
- ◆ CRO
- ◆ Hospitals
- ◆ Office Building
- ◆ Government Offices
- ◆ Manufacturing Industries
- ◆ Marine & Cargo Ships





DMC - 01
NTP MASTER CLOCK



DMC - 02
SS GPS CLOCK



DMC - 03
HAND HELD GPS
MASTER CLOCK



DMC - 04
FLP GPS CLOCK

MODEL	NTP MASTER CLOCK (DMC - 01)	SS GPS CLOCK (DMC - 02)	HAND HELD GPS CLOCK (DMC - 03)	FLP GPS CLOCK (DMC - 04)
POWER SUPPLY	85~270 Hz / 50 Hz	85~270 Hz / 50 Hz	12 VDC & Inbuilt Battery	85~270 Hz / 50 Hz
TIME SOURCE	GPS	GPS or NTP Master	GPS	GPS
COMMUNICATION INTERFACE				
MASTER TO SLAVE	Ethernet Based, Wireless	Wireless, RS485	Wireless, RS485	Wireless, RS485
PROTOCOL	TCP, UDP, HTTP, DHCP, NTP	Proprietary	Proprietary	Proprietary
DISPLAY	20 x 4 LCD Display	2.3"/4" Seven Segment	1" Seven Segment	2.3"/4" Seven Segment
MATERIAL	MS Powder Coated	SS304/ MS Powder Coated	ABS Polycarbonate	Aluminium Alloy LM-6 Finish Grey Epoxy Coated
MOUNTING	Rack Mount Tabletop	Wall, Tabletop	Tabletop Wall Mount	Wall Mount
GPS ANTENNA	Marine Antenna with 10 to 50 Mtrs Coaxial Cable	Marine Antenna with 10 to 50 Mtrs Coaxial Cable	Gmouse Active Antenna with 3 Mtrs Cable	Marine Antenna with 10 to 50 Mtrs Coaxial Cable
POWER CONSUMPTION	5 Watt	6 Watt	3 Watt	6 Watt



COMMON FEATURES

- ◆ Display Colour : Red
- ◆ Material : SS304 , SS316 (Optional), MS Powder Coated
- ◆ Mounting : Wall Mounting, Conceal / Flush Mounting , Roof Mounting , Table Top
- ◆ Operating Temperature : 0~50 °C
- ◆ Storage Temperature : 0~60 °C
- ◆ Relative Humidity : Below 90%, Non-Condensing

RF SLAVE CLOCKS (DSC-301 & DSC-401 SERIES)

- ◆ **Power supply**
85~265 VAC / 50Hz
- ◆ **Master to Slave Link**
RF Wireless (868MHz)
- ◆ **Protocol**
Proprietary
- ◆ **Display Colour**
Red, Green, White, Blue
- ◆ **Parameter Configuration**
Push Buttons
- ◆ **LED Indications**
- ◆ Communication with Master Clocks
- ◆ **Protection**
IP65 and FLP (Optional)
- ◆ **Power Consumption**
5 Watt to 8 Watt depends on Model
- Note :**
Display time accuracy -
Within 1 sec of master time when synchronized.



ETHERNET SLAVE CLOCKS (DSC301 AND DSC 401 SERIES)

- ◆ **Power supply**
85~265 VAC OR PoE
- ◆ **Master to Slave Link**
Ethernet 10/100 Base-TX,
8-pin RJ-45X1
- ◆ **Protocol**
TCP, UDP, DHCP, SNTP
- ◆ **Display Colour**
Red, Green, White, Blue
- ◆ **Parameter Configuration**
PC UTILITY
- ◆ **LED Indications**
SYNC , NTP1 & NTP2 LED
- ◆ **Protection**
FLP (On Demand)
- ◆ **Power Consumption**
5 Watt to 8 Watt depends on Model





FLUSH MOUNT RF/ETHERNET SLAVE CLOCK : DSC-301 & DSC-401 SERIES

2.3", HH:MM:SS with Back Box



2.3", HH:MM / 286 x 136 x 45 mm



2.3", HH:MM:SS / 384 x 136 x 45 mm



4", HH:MM / 480 x 145 x 45 mm



4", HH:MM:SS / 665 x 145 x 45 mm



FLAMEPROOF RF/ETHERNET SLAVE CLOCK : DSC-301 & DSC - 401

2.3", HH:MM / 340 x 170 x 95 mm



4", HH:MM / 525 x 265 x 115 mm



2.3", HH:MM:SS / 475 x 100 x 100 mm



2.3", HH:MM / 335 x 165 x 90mm



4", HH:MM / 520 x 260 x 110 mm



2.3", HH:MM / 470 x 180 x 95 mm





Model	Front View	Side View	Rear View
DSC301 2.3" HH:MM SS304 WALL MOUNT			
DSC301 2.3" HH:MM:SS SS304 WALL MOUNT			
DSC401 4" HH:MM SS304 WALL MOUNT			
DSC401 4" HH:MM:SS SS304 WALL MOUNT			
DSC301 2.3" HH:MM:SS DD:MM:YY WALL MOUNT SS304			
DSC301 2.3" HH:MM SS304 FLUSH/CONCEAL			



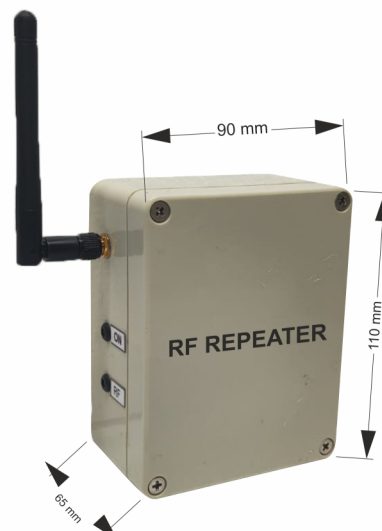
Model	Front View	Side View	Rear View
DSC301 2.3" HH:MM:SS SS304 FLUSH/CONCEAL			
DSC301 2.3" HH:MM:SS DD:MM:YYYY FLUSH/CONCEAL SS304			
DSC401 4" HH:MM SS304 FLASH/CONCEAL			
DSC401 4" HH:MM:SS SS304 FLASH/CONCEAL			
DSC301 2.3" HH:MM SS304 FLAMPROOF WITH SS304 COVER WEIGHT 4 KG			
DSC301 2.3" HH:MM:SS SS304 FLAMPROOF WITH SS304 COVER WEIGHT 7 KG			



Model	Front View	Side View	Rear View
DSC401 4" HH:MM SS304 FLAMPROOF WITH SS304 COVER WEIGHT 11 KG			
DSC301 2.3" HH:MM ALUMINIUM ALLOY LM-6 FLAMPROOF WEIGHT 3 KG			
DSC301 2.3" HH:MM:SS ALUMINIUM ALLOY LM-6 FLAMPROOF WEIGHT 6 KG			
DSC401 4" HH:MM ALUMINIUM ALLOY LM-6 FLAMPROOF WEIGHT 9 KG			

RF REPEATER

- ◆ **Power supply**
85~265 VAC
- ◆ **Interface**
Master to Repeater &
Repeater to Slave Clocks
RF Wireless (868 MHz)
- ◆ **LED Indications**
RF Transmission
- ◆ **Protection**
IP20
- ◆ **Material**
ABS with Polycarbonate
- ◆ **Mounting**
Table Top & Wall Mount
- ◆ **Power Consumption**
3 Watts





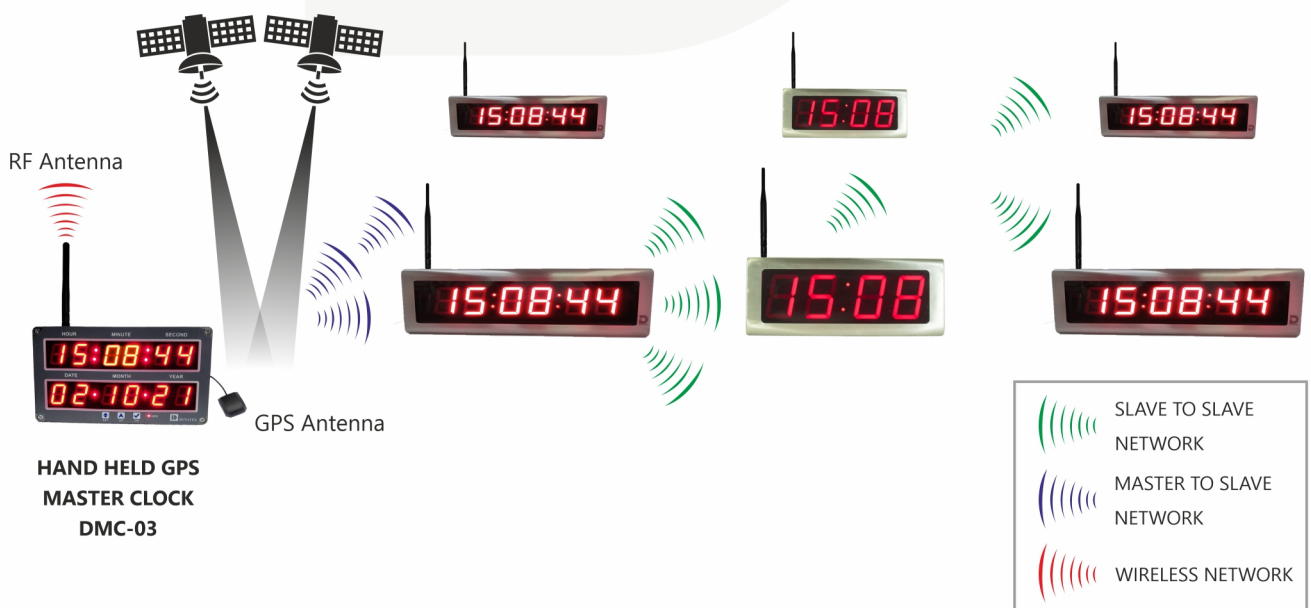
WIRELESS MASTER SLAVES NETWORK

The GPS Master Clock takes time signal from satellites and synchronizes all the slaves within range over a wireless network.



RANGE EXPANSION

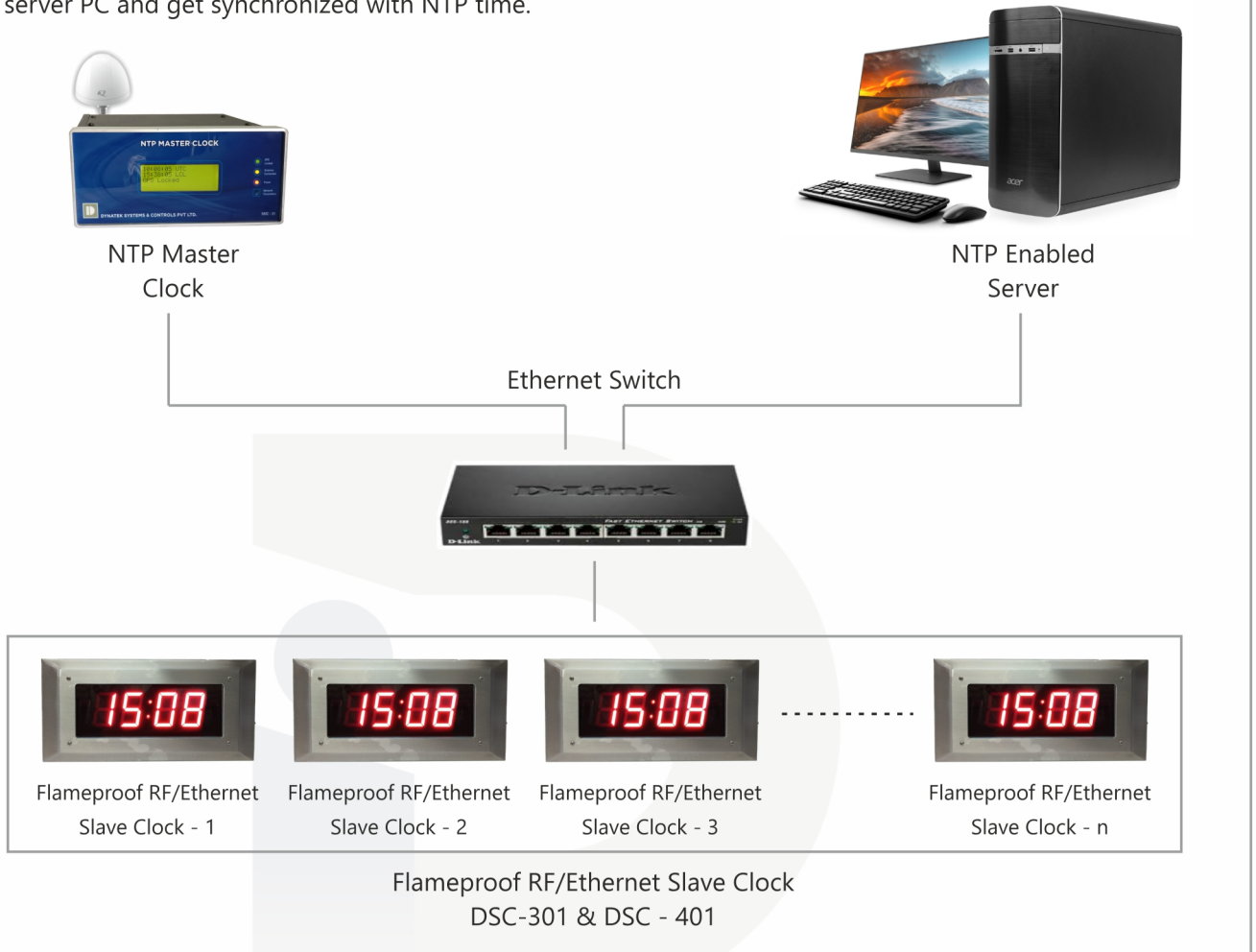
The slave clocks behave as repeaters to increase range. The repeater retransmits the signal to synchronize all the slaves within its range.





NTP/GPS SLAVES NETWORK

The Ethernet slaves can communicate with a NTP enabled server PC and get synchronized with NTP time.



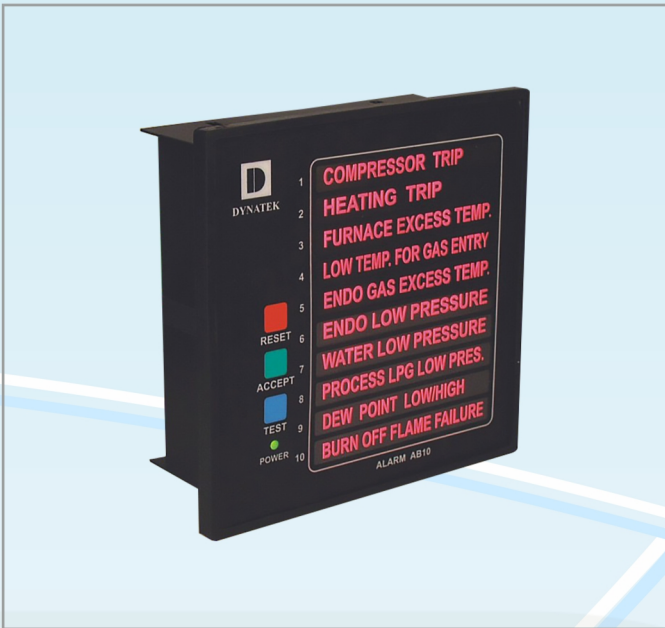
DSC-301/401 SERIES MODEL SELECTION CHART

EXP : 4 / W / SS / HMS / RFS / AC

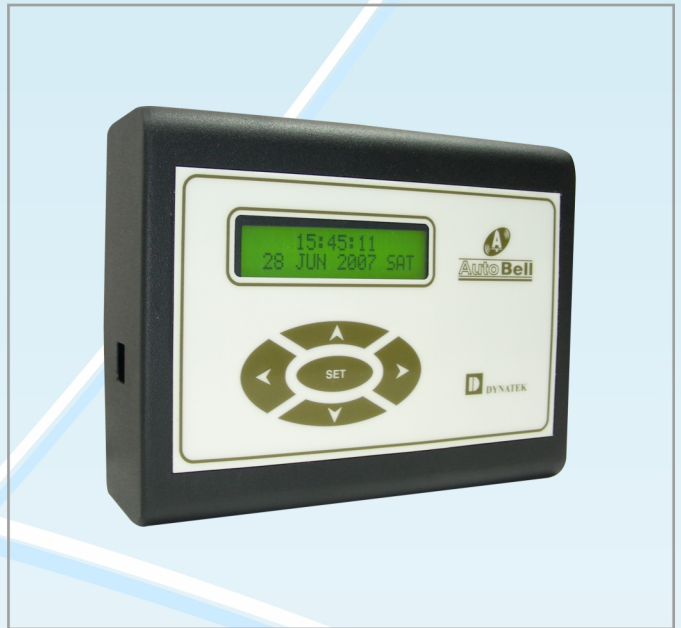
Seven Segment Display Size	Mounting Style	Encloser Front Bezel Material	Digit Pattern	Technology Type	Power
4 : 4 inch 3: 2.3 inch	W : Wall CN : Flush / Conceal	MS : Mild Steel Powder Coated SS : SS 304 FLP : Flame Proof	HM : HH:MM HMS : HH:MM:SS HM2D : HH:MM DD:MM:YY HMS2D : HH:MM:SS DD:MM:YY HMS4D : HH:MM:SS DD:MM:YYYY	TC : TCP-IP (Proprietary protocol) SN : Sntp Protocol RFM: Wireless Master RFS : Wireless Slave	AC : 230 vac PoE : Power Over Ethernet

OTHER PRODUCTS

Alarm Annunciator



Autobell For School



Clock with Temperature & Humidity Indicator



Country Zone Clock



DYNATEK
INSTRUMENTS
PRIVATE LIMITED

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