

GPS Synchronized Wireless Digital Master Clock (2.3")

TM680M-R-1-X TM690M-R-1-X



The POLMON GPS Synchronized Wireless Digital Master Clock receives the time from GPS(Global Positioning System).GPS is a worldwide system that employs 24 satellites in a integrated network to determine a geographical location anywhere in the world, it will transmits the most accurate and reliable atomic time.

The POLMON GPS Wireless Digital Master Clock System perfect solution for a wide range of applications where accurate, synchronized time is required. The GPS Wireless Master Clock is also work with Real Time Clock even if GPS signal fails.

TM680M and TM690M-R is competent to operate in a communication network to synchronize the Slave Clocks, having high utility in Bulk drugs & Pharma industries where synchronized time is required throughout the plant.

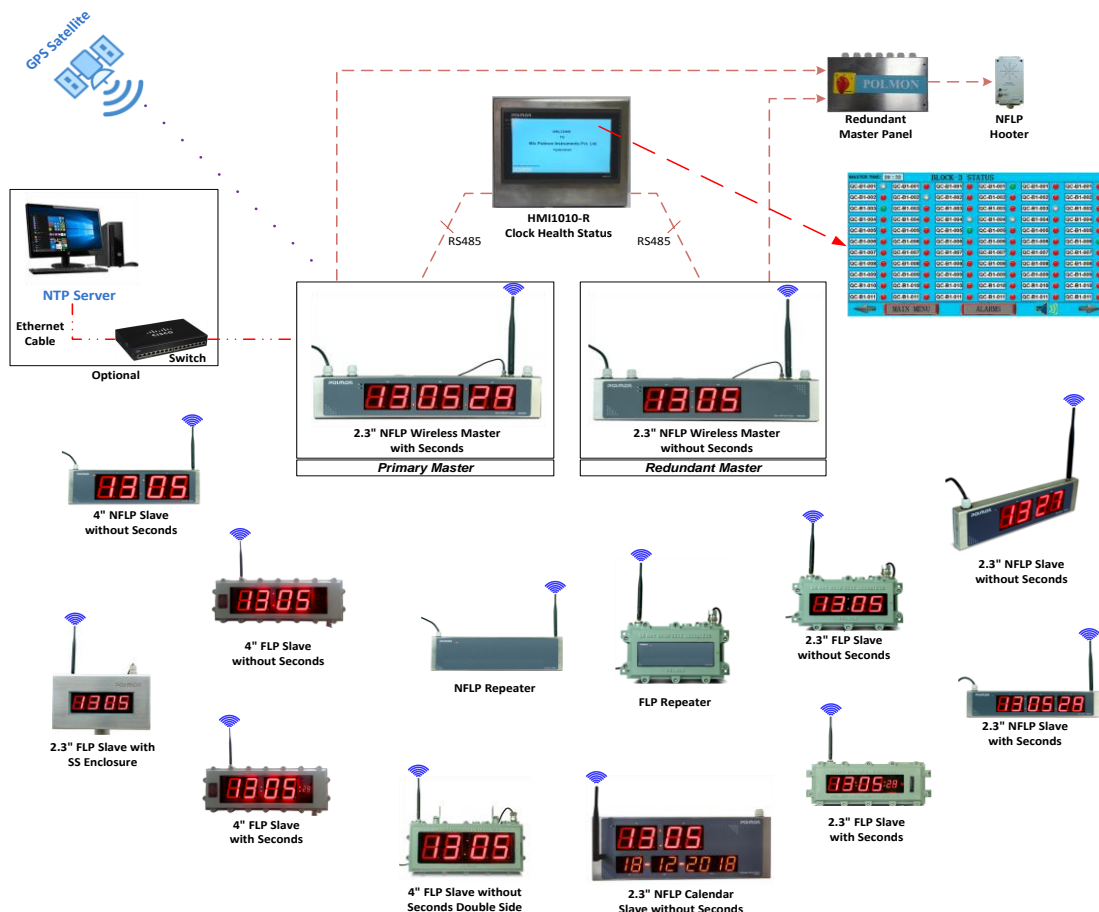
Features

- GPS Master Synchronization with GPS time
- It will have each Slave Status (Health Conditions).
- Designed for Clean Room Environment/ API Plants.
- Flicker-free Bright Seven Segment LED Display
- Displays time in HH:MM:SS / HH:MM Format
- Auto change over to internal RTC Clock working in case of GPS failure
- Very wide Coverage Range up to 1500m Line of Sight
- 2.3" display visible up to 100 feet

Applications

- Pharmaceutical industry
- Ware House
- Factory
- Office
- Canteen
- Colleges etc

Network Architecture



Specifications

Technical

Model No	TM680M-R-1-X	TM690M-R-1-X
Display of time	2.3" Seven Segment LED Display (Red)	
Time Format	HH:MM (24Hrs)	HH:MM:SS (24Hrs)
Accuracy	In synchronization: Shows master clock time. Stand-alone : + 2.0 min/year	
Communication	RF Wireless	
Time Synchronization	Every one Minute	

Power Supply

Input Supply	230V AC 50Hz, 10VA
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RF Communication

Frequency	865MHz to 867MHz
Distance	1500 Meters Line of Sight
Antenna type	Dipole
Antenna Fixing	Instrument Plug type SMA end
RF Power output	+27dBm (500mWattt)

Physical

Dimension	470X100X40mm
Enclosure material	SS316
Weight	1.6Kgs(Approx)
Mounting	Wall Mounting
Cable Entries	PG-9
Cable Glands	Provided
Cable Specifications	Power supply: PVC Insulated 1Sq mm x 3 core Flexible cable
	RS485: PVC Insulated 1Sqmm x 3 core Flexiable Shielded cable
	Relay: PVC Insulated 1sqmm x 2 core flexiable cable

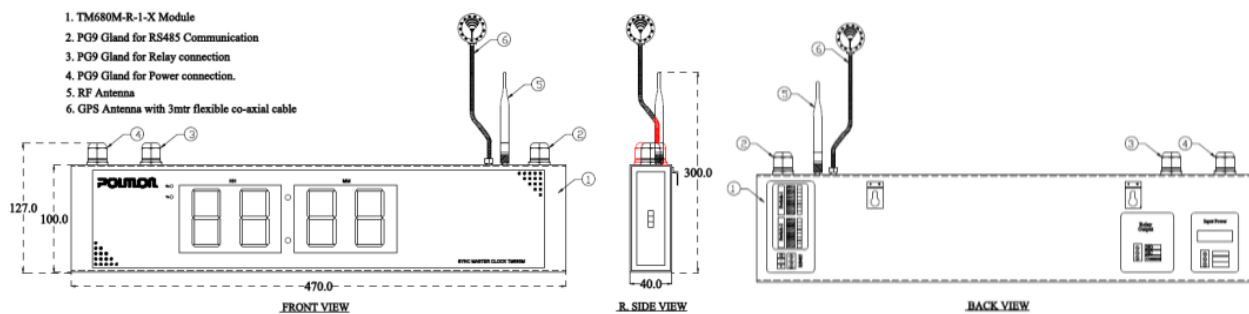
Environmental

Operating temperature	10-50°C
Humidity	10 – 95% RH, Non-condensing

Ordering Information for TM680M			
TM680M Model No	X External Enclosure	X I/P	X Future Use
TM680M	R – NFLP	1 – GPS 2 – Server	X

Ordering Information for TM690M			
TM690M Model No	X External Enclosure	X I/P	X Future Use
TM690M	R – NFLP	1 – GPS 2 – Server	X

MECHANICAL DRAWING OF TM680M-R-1-X



MECHANICAL DRAWING OF TM690M-R-1-X

