DIGITAL CLOCKS WITH GPS SYNCHRONIZATION

efftronics ®
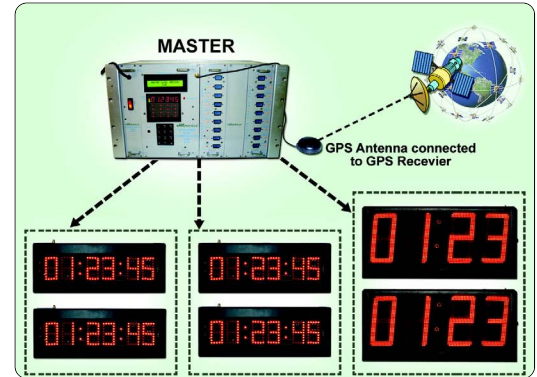*To provide insight for enhancing wealth*

RDSO Specification: RDSO/SPN/TC/62/2008

To Display Precise and accurate time on all digital clocks placed throughout any organization or commercial places and also it eliminates the need for manual setting of time.

FEATURES

❖ Master clock can control up to 64 slave clocks.

❖ Master clock synchronizes time across all slave clocks.

❖ Built-in controls are provided for setting 12 or 24 hour time format.

❖ Master clock Synchronizes with GPS time.

❖ Built-in RTC in Master in case of GPS data not available.

❖ Isolated current loop communication between Master and Slave Clocks.

❖ Proper communication protocols are used for reliable communication.

❖ Slave clocks communication health status is indicated in Master.

❖ Time display in Digital clocks with built-in RTC even when connection fails with Master.

❖ Power ON self diagnosis for testing different peripherals and communication ports.

❖ Password authentication provision is provided for time setting and port testing through user interface of master clock.

❖ Protection against transient and voltage fluctuations in power supplies is provided.

❖ IP 54 Compliance.

❖ Class 'D' surge protection in data communication.

❖ Operating i/p voltage range   : 160V-270V AC

❖ Available Display colors   : Red and Green.

❖ Display type   : Seven segment display.

❖ Display format   : 12 / 24 hr. With or with out seconds.

Digital clocks as per RDSO specification			
Clock Description	Size of 7segment LED matrix H(mm) X W(mm)	Maximum housing dimensions H(mm)XL(mm)XD(mm)	Time Format
Big digital clock with single side. (Out door)	320 X 150	510 X 1200 X 250	HH:MM
Big Digital clock with double side. (Out door)	320 X 150	510 X 1200 X 300	HH:MM
Small Digital clock with single side.(In door)	70 X 37	150 X 420 X 100	HH:MM:SS

❖ Digital clocks can be customised for different sizes, single side/ Double side, with / without seconds display etc.

'R & D'
Recognised by
DSIR
Govt. of INDIA

Approved by
RDSO
Govt. of INDIA
Ministry of
Railways

SMERA
SMERating Agency of India Ltd.