



LEDI® NETWORK TDS GPS – DIN TH35

Robust GPS Time server delivering
NTP monitored in SNMP
Visible Alarm on LEDs front screen and
rapid configuration from the button
panels



Internal Time Base

LEDI® NETWORK TDS GPS DIN TH35 is equipped with internal time base allowing accurate timekeeping in case of loss of synchronization.

- **TCXO**

Frequency stability: 2.10^{-8} (0°C to 55°C)
Ageing: $1,5.10^{-9}$ / day

Security and network protocols

- **Backup of configuration setting** in flash memory
- **Supervision via SNMP V3** or supervision software GT SCADA or Syslog
- **Remote configuration** via secured web page
- Configuration setting command prompt via **SSH**
- Firmware update via FTP or SCP
- **Compatible IP v4/v6** (compatible DHCP v4/v6)
- Configuration on Web interface via HTTP et HTTP(s)
- Secure access to web interface by identifier and password
- Authentication protocol and MD5 encryption
- Network communication ports can be disabled

Specifications

Power supply	18-72 VDC – Screw terminal block
Certifications	CE, EN 62368 (sécurité), EN 55032 (CEM émission), EN 55035 (CEM immunité), ROHS
Maximal Consumption	10 VA
IP	31
MTBF	120 000 h
MTTR	Mother board: 10 min Display board: 5 min Output board: 5 min
Weight	2,3 Kg (standard configuration)
Dimensions	Rail Din 210x73x136 mm (LxHxD)
Display	4 x 20 characters blue LCD screen backlight 3 LED Indicators: power / sync / alarm
Operating Temperature / hygrometry	-20 to 55°C / 0 to 90% HR (without condensing)
Storage Temperature / hygrometry	-20 to 70°C / 10 to 85% HR

Key features

- **NTP/SNTP server output** included by default on RJ45
- **Plug and Play**
- **Multiple synchronization outputs** with different types of time codes
- **Alarm management via SNMP TRAP (V1, V2C and V3)**
- **Time base and algorithm to ensure output accuracy**
- **Rail Din EN 60715 TH35 mounting**
- **Status information by LEDs** in front panel
- **Local or UTC time display** on front panel

Configuration

- Remote Configuration and time setting via embedded web interface
- IP Configuration by front panel keyboard
- Configuration file can be retrieved and uploaded via secured web interface
- Activating and deactivating configurations
- Auto-IP v4

Synchronization inputs

Synchronisation GPS :

- By GPS Convertor Antenna (3Gxx - max 100 m cable) – 2 points screw terminal block
- By RTB GPS Antenna (100 m à 10 km) – 2 points screw terminal block

Synchronization outputs

- NTP/SNTP (V2, V3, V4) 10/100 Base T - RJ45 port

Storage Conditions

Conditions	Temperature	Hygrometry	maximum cumulated duration
Extreme	-20°C to 0°C	10 to 85% HR	48h
Extreme	40°C to 70°C	10 to 85% HR	48h
Normal	10°C to 40°C	10 to 85% HR	6 months

The product must be lit for 4 hours every 3 months to keep its characteristics. see the user manual for more information

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MASTER CLOCKS / TIME SERVERS / SOFTWARES / GNSS ELEMENTS

Version < 100m cable	ITEM CODE	
(1)TDS GPS DIN TH35 (3Gxx)	94063/G-V2	
GPS Antenna (converter unit) with 25m cable	3G25-V4	
GPS Antenna (converter unit) with 50m cable	3G50-V4	
GPS Antenna (converter unit) with 100m cable	3G100-V3	
Version > 100m de cable (AFNOR 87-500/IRIG B input)	ITEM CODE	
(1)TDS GPS DIN TH35 (RTB GPS)	94063/8	
Antenne RTB GPS (cable not provided) – Integrated antenna and 230 VAC power	4048/00	
TDS GPS DIN TH35 Power	ITEM CODE	
RAIL DIN 24VDC Power supply, 1A, 24W	TFR911224R	

(1) Antenna and cable to be ordered separately



Casing



GPS (converter) Antenna



RTB GPS Antenna

Drawings

