

Time setting

The professional LEDI® clocks can display the same time information, synchronized by a master clock or a time server.

On standalone and pulse version, the time setting is manual.
Display date and time alternately.

Internal time base

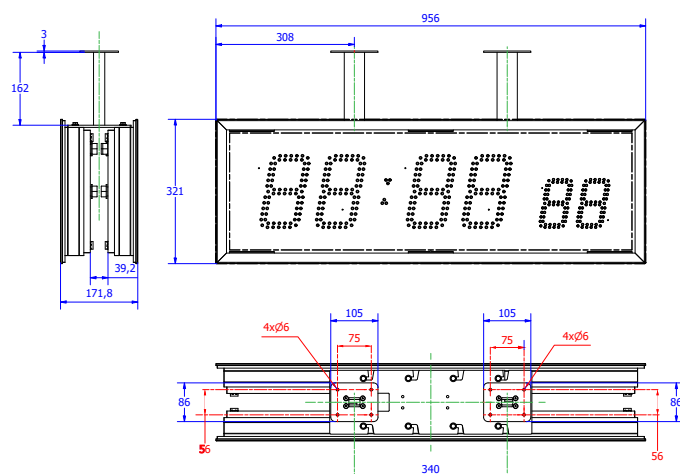
The LEDI® clock has its own temperature compensated TCXO time base which allows an accuracy about **0.1 sec / day** between 0° to 40°C in case of synchronization loss.

Security

Backup of time information in case of mains absence, by lithium battery: 10 years.

Specifications

Power supply	230VAC 50/60Hz 115VAC 50/60Hz Version NTP : PoE (Power over Ethernet)
Certifications	CE, EN 62368, EN 55032, EN 55035, ROHS, IEC 60950-22:2016 (2nd Edition)
Maximum consumption	15.04 VA
IP	65 front face / 54 rear face
MTBF	56 225 h
MTTR	Display: 5 min CPU : 5 min Power supply : 5 min
Weight	4.2 kg
Dimensions	956x321x75 mm (LxHxD)
Digit height	Hour/minute: 160 mm Seconds: 110 mm
Maximal distance of legibility	Up to 60 meters
Operating temperature	-20° to 60°C
Hygrometry	95% to 40°C
Electrical equipment classification	⚡ Class 1 (in 115 ou 230 VAC) ⚡ Class 3 (in PoE)



LEDI® 15.S Waterproof

Professional LED clock,
robust and stylish combining the best of the technology
for an easy installation and operation.

Recommended use under cover

Key features

- **Perfectly silent**, direct and accurate reading of time
- **SMD bi-colour LED technology** allows to change the display colour in red, green or yellow
- **The patented technology of the light guide** provides a perfect regularity of the brightness and viewing angle at 160°
- **The front face of the LEDI®** is coated with an antiglare and anti-scratch film giving an extraordinary 60000:1 level of contrast
- **A protection against over-voltage and industrial interference** via EMC filter
- **An easy "plug and play" installation**
- **An anodized aluminium case** wall mount or bracket
- **Securit glass 4mm** in front face
- **Tropicalized**
- **Its participation in the sustainable development**, life span over 20 years
- **2 years warranty**
- **Up to 10 brightness levels** for optimal viewing
- **Remote and batch configuration** via the optional "remote configuration" software
- Selection of colours (independently between wave and numbers) and brightness
- Behaviour of central dots (fixed, blinking...)

NTP Version

Advanced version (option K)

- Synchronisation of up to 4 NTPv4 servers and setting of advanced NTP options (poll rate / burst / preference order)
- Time zone selection and automatic summer/winter time change
- Supervision by SNMP v1, V2c, v3, SYSLOG, Consultation of event logs
- Configurations accessible via http and/or https
- Possibility of changing the display colour according to events (e.g. a loss of synchronisation changes the display colour to red)
- IPv4 / IPv6 protocols
- 12h or 24h mode
- Stopwatch/timer: advanced options fully configurable and programmable (start time, end time, colour change...), control and configuration via web page, GTCHRONO or SNMP
- Sensor*: Option to manage up to 3 different SNMP sensors (Temperature, Hygrometry, ...)

**Within the limits of the display*

Standard Version (option N or W)

- Synchronisation of up to 3 NTP servers
- Time zone selection and automatic summer/winter time change
- Supervision by SNMP v1, v2.c
- Configurations accessible via http and/or https
- IPv4 / IPv6 protocols
- Stopwatch/timer: simple option (triggering of a count sequence or countdown by button via web page or SNMP)
- Sensor: option to manage an SNMP Temperature or Humidity sensor

Synchronisation Input

- TCXO Quartz Standalone
- DCF77 (EUROPE) with antenna or DCF24V with pair cable
- GPS
- Reverse parallel minute receiver 24V or 1/2 reverse minute series
- AFNOR NFS 87500 or IIRIG B (to specify at purchase order)
- ASCII RS232, ASCII RS422/485
- Standard NTP (Option N) or advanced NTP (Option K) Ethernet 10/100BaseT
- Standard NTP Wi-Fi (IEEE 802.11 a/b/g/n standards 2.4 Ghz)
- SMPTE

LEDI® 15.S
Waterproof

		ITEM CODE							
		ND3008E /	☐	☐	☐	☐	☐	☐	☐
		FACE	↑	↑	↑	↑	↑	↑	↑
Simple face		1							
Double face		2							
		VERSION							
Standalone: radio-synchronisable quartz time base 3.6864 MHz Holdover +/- 0.1 sec/24 h (between 0 and 40°C)		2							
DCF Radiosynchronisation. DCF Antenna + 4m cable		D							
⁽¹⁾ DCF 24Vdc Synchronisation (<i>Synchro in telecom pair cable</i>)		P							
GPS Radiosynchronisation. GPS Antenna + 10m cable		G							
6mA/24V reversed parallel minute pulses receiver clock		3							
⁽²⁾ AFNOR NFS 87500 Receiver		8							
ASCII RS 232 Receiver		B							
ASCII 422/485 Receiver		Q							
ADVANCED NTP Synchronisation (<i>Ethernet RJ45 10/100</i>)		K							
STANDARD NTP Synchronisation (<i>Ethernet RJ45 10/100</i>)		N							
Synchronisation NTP Version STANDARD (<i>Wi-Fi IEEE 802.11 a/b/g/n standard 2,4 Ghz</i>)		W							
		PROGRAMMABLE LED							
High brightness LED: Selectable colour, red, yellow, green		4							
		FRONT FACE							
Securit glass 4mm – IP65 indoor or outdoor		E							
Polymere (PMMA) – IP65 outdoor only		M							
		MOUNTING							
(Simple face) Standard: Wall mounting with bracket		1							
(Simple or double face) Please refer to the brackets technical sheet		P							
		COLOUR CASING							
Anodized grey aluminium		7							
		Power supply							
Standard: 230VAC 50/60Hz		0							
115VAC 50/60Hz (<i>Excluding version P</i>)		1							
Power over Ethernet (<i>PoE - IEEE802.3af</i>) 1 cable Simple face (<i>version N or K</i>)		7							
Power over Ethernet (<i>PoE - IEEE802.3af</i>) 2 cables Double face (<i>version N or K</i>)		8							
		OPTIONS							
⁽⁴⁾ Timer function via web interface (<i>versions K, N or W</i>)		F							
⁽³⁾ Timer: touch housing control block (<i>flush and wall mount version</i>) + 4 meters of cable - up/down		I							
⁽⁶⁾ Timer: touch housing control block (<i>flush and wall mount version</i>) + 4 meters of cable - up/down		I2							
⁽³⁾ Timer: touch housing control block (<i>flush and wall mount version</i>) + 15 meters of cable - up/down		C							
⁽³⁾ Temperature probe (accuracy ± 0.5°C) + 5 m cable: temperature and hour displayed alternately		T							
⁽⁵⁾ IP Temperature sensor module (<i>versions K, N or W</i>)		G							
⁽³⁾ Timer output or stopwatch contact		E							
⁽³⁾ ASCII RS232 output (<i>not to be combined with ASCII input version</i>)		A							
or:									
⁽³⁾ ASCII RS422-485 output (<i>not to be combined with ASCII input version</i>)		R							

⁽³⁾ Option NOT available in NTP versions (N, K: Ethernet or W: Wi-Fi)⁽⁴⁾ Option NOT available in NTP versions (N, K: Ethernet or W: Wi-Fi)⁽⁵⁾ Option for NTP versions (Ethernet or Wi-Fi) only, and compatible with a Temperature Sensor via IP station to be ordered separately, see module 92261⁽⁶⁾ Option available in NTP versions (N: Ethernet or W: Wi-Fi)