

## 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

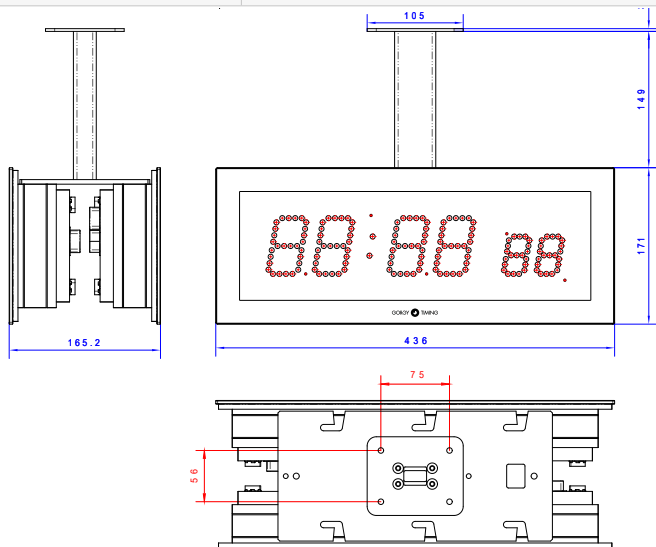
The LEDI® clock has its own temperature compensated TCXO time base which allows an accuracy about **0.1 sec / day** between 0° to 40°C in case of synchronization loss.

## Security

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

## Specifications

<b>Power supply</b>	230VAC 50/60Hz 115VAC 50/60Hz Version NTP : PoE (Power over Ethernet)
<b>Certifications</b>	CE, EN 62368, EN 55032, EN 55035, ROHS
<b>Maximum consumption</b>	15.06 VA
<b>IP</b>	65 front face / 54 rear face
<b>MTBF</b>	56 225 h
<b>MTTR</b>	Display : 5 min CPU : 5 min Power supply : 5 min
<b>Weight</b>	1.8 kg
<b>Dimensions</b>	436 x 171 x 75 mm (LxHxD)
<b>Digit height</b>	Hour/minutes: 70 mm Seconds: 50 mm
<b>Maximal distance of legibility</b>	35 meters
<b>Operating temperature</b>	-20° to 60°C
<b>Hygrometry</b>	95% to 40°C
<b>Electrical equipment classification</b>	⊕ Class 1 (in 115 ou 230 VAC) ⊖ Class 3 (in PoE)



## LEDI® 7.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 protocoles
- 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 protocoles
- 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® 7.S Waterproof

		ITEM CODE							
		ND366E	/						
		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) <input type="checkbox"/>			2						
DCF Radiosynchronisation. DCF Antenna + 4m cable <input type="checkbox"/>			D						
<sup>(1)</sup> DCF 24Vdc Synchronisation ( <i>Synchro in telecom pair cable</i> ) <input type="checkbox"/>			P						
GPS Radiosynchronisation. GPS Antenna + 10m cable <input type="checkbox"/>			G						
6mA/24V reversed parallel minute pulses receiver clock <input type="checkbox"/>			3						
<sup>(2)</sup> AFNOR NFS 87500 Receiver <input type="checkbox"/>			8						
ASCII RS 232 Receiver <input type="checkbox"/>			B						
ASCII 422/485 Receiver <input type="checkbox"/>			Q						
ADVANCED NTP Synchronisation (Ethernet RJ45 10/100) <input type="checkbox"/>			K						
STANDARD NTP Synchronisation (Ethernet RJ45 10/100) <input type="checkbox"/>			N						
Synchronisation NTP Version STANDARD (Wi-Fi IEEE 802.11 a/b/g/n standard 2,4 Ghz) <input type="checkbox"/>			W						
<sup>(1)</sup> Always combine this version with 230VAC 50/60Hz power supply only									
<sup>(2)</sup> If IIRIG.B. version, please specify as a note on your order									
		PROGRAMMABLE LED							
High brightness LED: Selectable colour, red, yellow, green <input type="checkbox"/>			4						
		FRONT FACE							
Securit glass 4mm – IP65 indoor or outdoor <input type="checkbox"/>						E			
Polymere (PMMA) – IP65 outdoor only <input type="checkbox"/>						M			
		MOUNTING							
(Simple face) Standard: Wall mounting with bracket <input type="checkbox"/>							1		
(Simple or double face) Please refer to the brackets technical sheet <input type="checkbox"/>							P		
		COULOUR CASING							
Anodized grey aluminium <input type="checkbox"/>							7		
		Power supply							
Standard: 230VAC 50/60Hz <input type="checkbox"/>								0	
115VAC 50/60Hz ( <i>Excluding version P</i> ) <input type="checkbox"/>								1	
Power over Ethernet (PoE - IEEE802.3af) ( <i>version N or K</i> ) <input type="checkbox"/>								7	
		OPTIONS							
<sup>(4)</sup> Timer function via web interface ( <i>versions K, N or W</i> ) <input type="checkbox"/>									F
<sup>(3)</sup> Timer: touch housing control block ( <i>flush and wall mount version</i> ) + 4 meters of cable - up/down <input type="checkbox"/>									I
<sup>(6)</sup> Timer: touch housing control block ( <i>flush and wall mount version</i> ) + 4 meters of cable - up/down <input type="checkbox"/>									I2
<sup>(3)</sup> Timer: touch housing control block ( <i>flush and wall mount version</i> ) + 15 meters of cable - up/down <input type="checkbox"/>									C
<sup>(3)</sup> Temperature probe (accuracy ± 0.5°C) + 5 m cable: temperature and hour displayed alternately <input type="checkbox"/>									T
<sup>(5)</sup> IP Temperature sensor module ( <i>versions K, N or W</i> ) <input type="checkbox"/>									G
<sup>(3)</sup> Timer output or stopwatch contact <input type="checkbox"/>									E
<sup>(3)</sup> ASCII RS232 output ( <i>not to be combined with ASCII input version</i> ) <input type="checkbox"/>									A
or: <input type="checkbox"/>									R
<sup>(3)</sup> ASCII RS422-485 output ( <i>not to be combined with ASCII input version</i> ) <input type="checkbox"/>									R

<sup>(3)</sup> Option NOT available in NTP versions (N, K: Ethernet or W: Wi-Fi)

<sup>(4)</sup> Option NOT available in NTP versions (N, K: Ethernet or W: Wi-Fi)

<sup>(5)</sup> 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

<sup>(6)</sup> Option available in NTP versions (N: Ethernet or W: Wi-Fi)