



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

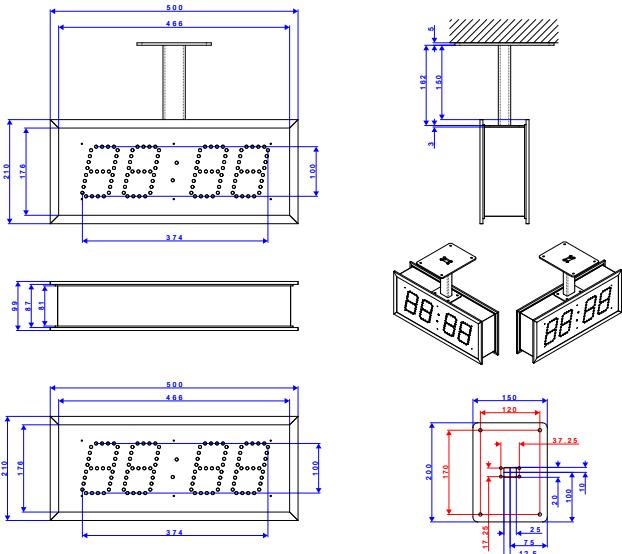
The LEDI® clock has its own temperature compensated TCXO time base which allows an accuracy about 0.1 sec / day between 0° to 40°C in case of synchronization loss.

Security

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

Specifications

Power supply	230VAC 50/60Hz - 115VAC 50/60Hz Low voltage 12, 24 or 48 VDC Version NTP : PoE (Power over Ethernet)
Certifications	CE, EN 62368, EN 55032, EN 55035, ROHS
Maximum consumption	16.54 VA
IP	30
MTBF	46 267 h
MTTR	Display: 5 min - CPU : 5 min Power supply : 5 min
Weight	2,2 - 2,6kg
Dimensions	500x210x99 mm (LxHxD) Mounting bracket: 150 mm
Digit height	Hour/minute: 110 mm
Maximal distance of legibility	Up to 60 meters
Operating temperature	-20° to 50°C
Electrical equipment classification	Class 1 (in 115 ou 230 VAC) Class 3 (in 12, 24, 48 VDC or PoE)



LEDI® REVERSO 10 Indoor / Double face

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

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 (optional white or blue)
- 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
- Double face IP30 on bracket
- 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 IRIG 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® REVERSO 10
Indoor / Double face

ITEM CODE								
VERSION	ND390	/						
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						
(¹) 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						
Serial reversed 1/2 minute pulses receiver clock Consumption 1.25V. 60 to 120mA. 39 ohms shunt	<input checked="" type="checkbox"/>	5						
(²) AFNOR NFS 87500 Receiver	<input type="checkbox"/>	8						
SMPTE-EBU Receiver	<input checked="" type="checkbox"/>	7						
ASCII RS 232 Receiver	<input type="checkbox"/>	B						
ASCII 422/485 Receiver	<input type="checkbox"/>	Q						
ADVANCED NTP Synchronisation (Ethernet RJ45 10/100)	<input checked="" type="checkbox"/>	K						
STANDARD NTP Synchronisation (Ethernet RJ45 10/100)	<input type="checkbox"/>	N						
STANDARD NTP Synchronisation (Wi-Fi IEEE 802.11 a/b/g/n standard 2.4 Ghz)	<input checked="" type="checkbox"/>	W						
(1) Always combine this version with 230VAC 50/60Hz power supply only								
(2) If IRIG.B. version, please specify as a note on your order								
PROGRAMMABLE LED								
Selectable colour, red, yellow, green	<input type="checkbox"/>	1						
Selectable colour white or blue	<input type="checkbox"/>	5						
MOUNTING								
Please refer to the brackets technical sheet	<input type="checkbox"/>	P						
COULEUR CASING								
Anodized grey aluminium	<input type="checkbox"/>	7						
Painted black RAL9005 Aluminium	<input checked="" type="checkbox"/>	0						
Power supply								
Standard: 230VAC 50/60Hz	<input type="checkbox"/>	0						
115VAC 50/60Hz (Excluding version P)	<input type="checkbox"/>	1						
Power over Ethernet (PoE - IEEE802.3af) (version N or K)	<input type="checkbox"/>	7						
Excluding version Low voltage power supply: 12 VDC (Excluding versions K, N or W)	<input type="checkbox"/>	2						
Low voltage power supply: 24 VDC (Excluding versions K, N or W)	<input type="checkbox"/>	4						
Low voltage power supply: 48 VDC (Excluding versions K, N or W)	<input type="checkbox"/>	6						
OPTIONS								
(⁵) Timer function via web interface (versions K, N or W)	<input type="checkbox"/>	F						
(³) Touchscreen stopwatch casing, removable, built-in, counting/down, between axes 122 mm + 4 m of cable	<input type="checkbox"/>	I						
(⁶) Touchscreen stopwatch casing, removable, built-in, counting/down, between axes 122 mm + 4 m of cable	<input type="checkbox"/>	I2						
(³) Touchscreen stopwatch casing, removable, built-in, counting/down, between axes 122 mm + 15 m of cable	<input type="checkbox"/>	C						
(⁴) Temperature probe (accuracy $\pm 0.5^\circ\text{C}$) + 5 m cable: temperature and hour displayed alternately	<input type="checkbox"/>	T						
(⁵) IP Temperature sensor module (versions K, N or W)	<input type="checkbox"/>	G						
(³) Timer output or stopwatch contact	<input type="checkbox"/>	E						
(³) ASCII RS232 output (not to be combined with ASCII input version)	<input type="checkbox"/>	A						
or:	<input type="checkbox"/>	R						
(³) ASCII RS422-485 output (not to be combined with ASCII input version)	<input type="checkbox"/>	U						
Tropicalization	<input type="checkbox"/>							

(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)