



Time setting

The professional LEDICA® 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

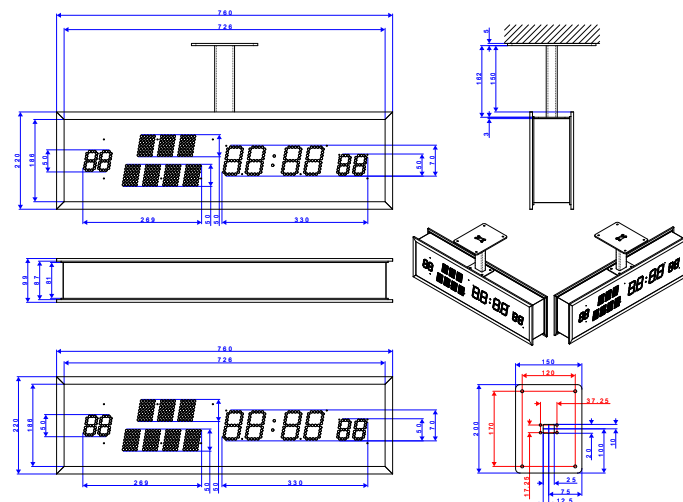
The LEDICA® clock has its own temperature compensated TCXO time base which allows an accuracy about **0.1 sec / day** between 0° to 40°C in case of synchronization loss.

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 NTP Version: PoE (Power over Ethernet)
Certifications	CE, EN 62368, EN 55032, EN 55035, ROHS
Maximum consumption	17,73 VA
IP	30
MTBF	46 267 h.
MTTR	Display: 5 min - CPU: 5 min Power supply: 5 min
Weight	3,0 – 3,5 kg
Dimensions	760x220x99 mm (LxHxD) Mounting bracket: 150 mm
Digit height	Hour/minute: 70 mm Date: 50 mm (Alphanumeric display for day and month)
Maximal distance of legibility	35 meters
Operating temperature	-20° to 50°C
Electrical equipment classification	Classe 2



LEDICA® ALPHA REVERSO 7.M.S

Indoor / Double face

*Professional LED clock with tri-color display,
robust and stylish combining the best of the technology
for an easy installation and operation.*

Key features

- Pre-programmed calendar available in 11 languages
- 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 LEDICA® 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 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, GTCRONO 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

LEDICA® ALPHA REVERSO 7.M.S
Indoor / Double face

EDICIA ALI HAREVERO TIME		CODE ARTICLE							
Indoor / Double face		ND3003	/	☐	☐	☐	☐	☐	☐
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						
Serial reversed 1/2 minute pulses receiver clock		☒	5						
Consumption 1.25V. 60 to 120mA. 39 ohms shunt									
⁽²⁾ AFNOR NFS 87500 Receiver		☐	8						
SMPTE-EBU Receiver		☒	7						
ASCII RS 232 Receiver		☐	B						
ASCII 422/485 Receiver		☐	Q						
ADVANCED NTP Synchronisation (Ethernet RJ45 10/100)		☒	K						
STANDARD NTP Synchronisation (Ethernet RJ45 10/100)		☐	N						
STANDARD NTP Synchronisation (Wi-Fi IEEE 802.11 a/b/g/n standard 2.4 Ghz)		☒	W						
⁽¹⁾ Always combine this version with 230VAC 50/60Hz power supply only									
⁽²⁾ If IRI.G.B. version, please specify as a note on your order									
PROGRAMMABLE LED									
Selectable colour, red, yellow, green		☐	1						
Selectable colour white or blue		☐	5						
FIXATION									
Please refer to the brackets technical sheet		☐			P				
CASE COLOR									
Anodized grey aluminium		☐				7			
Painted black RAL9005 Aluminium		☒				0			
Specific		☐				X			
POWER SUPPLY									
Standard: 230VAC 50/60Hz		☐					0		
115VAC 50/60Hz (<i>Excluding version P</i>)		☐					1		
Power over Ethernet (PoE - IEEE802.3af) (<i>version N or K</i>)		☐					7		
Excluding version Low voltage power supply: 12 VDC (<i>Excluding versions K, N or W</i>)		☐					2		
Low voltage power supply: 24 VDC (<i>Excluding versions K, N or W</i>)		☐					4		
Low voltage power supply: 48 VDC (<i>Excluding versions K, N or W</i>)		☐					6		
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	
⁽³⁾ 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:		☐						R	
⁽³⁾ ASCII RS422-485 output (<i>not to be combined with ASCII input version</i>)		☐						U	
Tropicalization		☐							

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

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⁽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)