LEDICA® REVERSO 7.M
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.

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

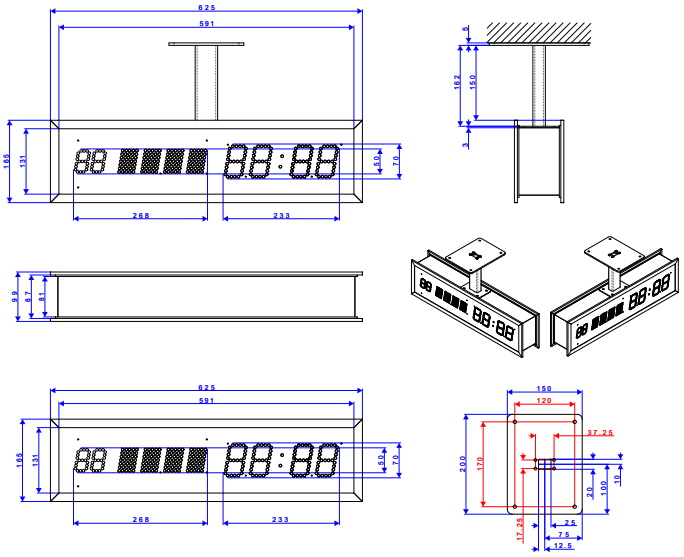
The LEDICA® clock has its own temperature compensated TCXO time base which allows an accuracy about **0.1 sec / day between 0° to 40°C** in case of synchronization loss.

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	16,40 VA
IP	30
MTBF	46 267 h.
MTTR	Display: 5 min - CPU: 5 min Power supply: 5 min
Weight	2.3 – 2.7 kg
Dimensions	625x165x99 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



Key features

- **Pre-programmed calendar available in 11 languages**
- **Perfectly silent,** direct and accurate reading of time
- **SMD bi-colour LED technology all**ows to change the display colour in red, green or yellow (optional white or blue)
- **The patented technology of the light guid**e 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 warr**anty
- **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

LEDICA® REVERSO 7.M
Indoor / Double face

		CODE ARTICLE							
		ND303 /							
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 *(Synchro in telecom pair cable)*	▣	**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 Consumption 1.25V. 60 to 120mA. 39 ohms shunt	■	**5**							
[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 IRIG.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	□				╳				

POWER SUPPLY									
Standard: 230VAC 50/60Hz	▣					**0**			
115VAC 50/60Hz *(Excluding version P)*	▣					**1**			
Power over Ethernet (PoE - IEEE802.3af) *(version N or K)*	▣					**7**			
Excluding version Low voltage power supply: 12 VDC *(Excluding versions K, N or W)*	▣					**2**			
Low voltage power supply: 24 VDC *(Excluding versions K, N or W)*	▣					**4**			
Low voltage power supply: 48 VDC *(Excluding versions K, N or W)*	▣					**6**			

OPTIONS									
[4]Timer function via web interface *(versions K, N or W)*	▣						**F**		
[3]Timer: touch housing control block *(flush and wall mount version)* + 4 meters of cable - up/down	▣						**I**		
[3]Timer: touch housing control block *(flush and wall mount version)* + 4 meters of cable - up/down	▣						**I2**		
[3]Timer: touch housing control block *(flush and wall mount version)* + 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 *(versions K, N or W)*	▣						**G**		
[3]Timer output or stopwatch contact	▣						**E**		
[3]ASCII RS232 output *(not to be combined with ASCII input version)*	▣						**A**		
or: [3]ASCII RS422-485 output *(not to be combined with ASCII input version)*	▣						**R**		
Tropicalization	▣						**U**		

[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)