



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

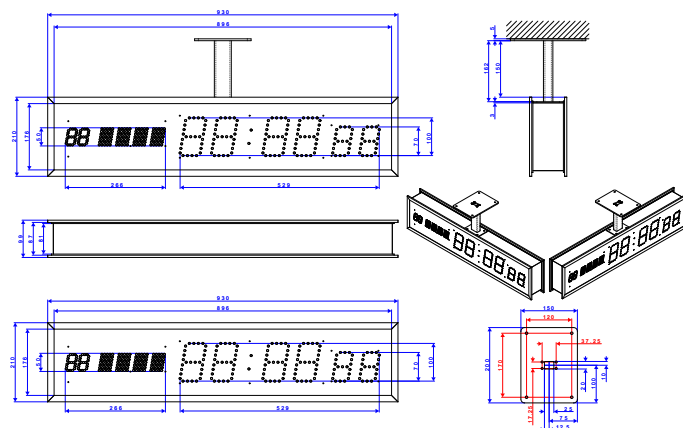
The LEDICA® clock has its own temperature compensated TCXO time base which allows an accuracy about **0.1 sec / day** between 0° to 40°C in case of synchronization loss.

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 | 17,99 VA |
| IP | 30 |
| MTBF | 46 267 h. |
| MTRR | Display: 5 min / CPU: 5 min / Power supply: 5 min |
| Weight | 3.6 - 4 kg |
| Dimensions | 930x210x99 mm (LxHxD) Mounting bracket: 150 mm |
| Digit height | Hour/minute: 110 mm Second: 80 mm Date: 50 mm (Alphanumeric display for day and month) |
| Maximal distance of legibility | 60 meters |
| Operating temperature | -20° to 50°C |
| Electrical equipment classification |  Classe 2 |



LEDICA® 10.M.S Indoor / Double face

Professional LED clock with tri-colour 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 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® 10.M.S

Indoor / Double face

| | | | | | | |
|--------------|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| CODE ARTICLE | | | | | | |
| ND394 | / | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | ↑ | ↑ | ↑ | ↑ | ↑ |

| 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 | | | | | |
| ⁽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 | <input type="checkbox"/> | 5 | | | | | |
| Consumption 1.25V. 60 to 120mA. 39 ohms shunt | <input type="checkbox"/> | | | | | | |
| ⁽²⁾ AFNOR NFS 87500 Receiver | <input type="checkbox"/> | 8 | | | | | |
| SMPTE-EBU Receiver | <input 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 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 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 | | | | | |

| FIXATION | | | | | | | |
|--|--------------------------|--|--|--|---|--|--|
| Please refer to the brackets technical sheet | <input type="checkbox"/> | | | | P | | |

| CASE COLOR | | | | | | | |
|---------------------------------|--------------------------|--|--|--|---|--|--|
| Anodized grey aluminium | <input type="checkbox"/> | | | | 7 | | |
| Painted black RAL9005 Aluminium | <input type="checkbox"/> | | | | 0 | | |
| Specific | <input type="checkbox"/> | | | | X | | |

| 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 | | |
| Excluding version Low voltage power supply: 12 VDC (<i>Excluding versions K, N or W</i>) | <input type="checkbox"/> | | | | 2 | | |
| Low voltage power supply: 24 VDC (<i>Excluding versions K, N or W</i>) | <input type="checkbox"/> | | | | 4 | | |
| Low voltage power supply: 48 VDC (<i>Excluding versions K, N or W</i>) | <input type="checkbox"/> | | | | 6 | | |

| OPTIONS | | | | | | | |
|---|--------------------------|--|--|--|--|----|--|
| ⁽⁴⁾ Timer function via web interface (<i>versions K, N or W</i>) | <input type="checkbox"/> | | | | | F | |
| ⁽³⁾ Timer: touch housing control block (<i>flush and wall mount version</i>) + 4 meters of cable - up/down | <input type="checkbox"/> | | | | | I | |
| ⁽³⁾ Timer: touch housing control block (<i>flush and wall mount version</i>) + 4 meters of cable - up/down | <input type="checkbox"/> | | | | | I2 | |
| ⁽³⁾ Timer: touch housing control block (<i>flush and wall mount version</i>) + 15 meters of cable - up/down | <input type="checkbox"/> | | | | | C | |
| ⁽³⁾ Temperature probe (accuracy ± 0.5°C) + 5 m cable: temperature and hour displayed alternately | <input type="checkbox"/> | | | | | T | |
| ⁽⁵⁾ IP Temperature sensor module (<i>versions K, N or W</i>) | <input type="checkbox"/> | | | | | G | |
| ⁽³⁾ Timer output or stopwatch contact | <input type="checkbox"/> | | | | | E | |
| ⁽³⁾ ASCII RS232 output (<i>not to be combined with ASCII input version</i>) | <input type="checkbox"/> | | | | | A | |
| or: | <input type="checkbox"/> | | | | | R | |
| ⁽³⁾ ASCII RS422-485 output (<i>not to be combined with ASCII input version</i>) | <input type="checkbox"/> | | | | | | |
| Tropicalization | <input type="checkbox"/> | | | | | 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)