



# LEDI® 7.S

## Indoor / Single 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 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.

### Specification

|  |  |
|--|--|
| <b>Power supply</b>                        | 230 VAC/50-60 Hz 115 VAC/50-60 Hz<br>Low voltage 12, 24 or 48 VDC<br>NTP Version : POE (Power Over Ethernet) |
| <b>Certifications</b>                      | CE, EN 60950, EN 55022, EN 55024, ROHS.  |
| <b>Maximum consumption</b>                 | 15,06 VA   |
| <b>IP</b>                                  | 30   |
| <b>MTBF</b>                                | 56 225 h.  |
| <b>MTTR</b>                                | Display : 5 min. CPU : 5 min.<br>Power supply : 5 min  |
| <b>Weight</b>                              | 1.8 kg   |
| <b>Dimension</b>                           | 430x 165x62 mm (LxHxD)   |
| <b>Digit height</b>                        | Hour/minute : 70 mm<br>Seconds : 50 mm   |
| <b>Maximal distance of legibility</b>      | 35 meters  |
| <b>Shock resistance</b>                    | IK9  |
| <b>Operating temperature</b>               | -20° to 50°C   |
| <b>Electrical equipment classification</b> | Class 2                   |

### Key features

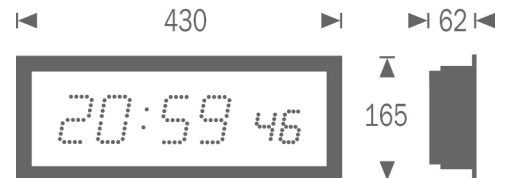
- Perfectly silent**, direct and accurate reading of time.
- SMD bi-colour LED technology** allows to change the display colour in red, green or yellow (optional white or blue).
- The patented technology of the light guide** provides a perfect regularity of the brightness and viewing angle at 160°.
- The front face of the LEDI @** is coated with an antiglare and anti-scratch film giving an extraordinary 60000 : 1 level of contrast.
- An anodized aluminium case** wall mount (screw lock), flush mount or bracket mount.
- A protection against over-voltage and industrial interference** via EMC filter.
- An easy "plug and play" installation.**
- Its participation in the sustainable development** life span over 20 years.
- 2 years warranty.

### Remote management (with NTP synchronization)

Remote configuration and time setting via WEB interface. Automatic time zone choice and daylight saving time change. Supervision via HTTP, SNMP, Telnet. "GT Network Manager" (Windows® NT/XP/2000/Vista (32 bits)/ Windows 7).

### Synchronization inputs

- Standalone TCXO quartz time base.
- DCF(EUROPE).
- France Inter (EUROPE).
- GPS.
- Pulse 24V reversed parallel minute or serial reversed 1/2 minute pulses.
- AFNOR NFS 87500
- IRIG B : shall be specified on Purchase order.
- ASCII RS232, ASCII RS422/485.
- DHW 869.525 Mhz.
- NTP Ethernet 10/100BaseT automatic detection :RJ45.
- NTP POE (Power Over Ethernet).
- SMPTE.
- Wi-Fi(IEEE 802.11B/G standard)



### Display / LED specifications

Simple row LED display.  
SMD Technology, Viewing Angle: 160°.

| bi-colored LED (red green) |        | monochrome LED  |
|----------------------------|--------|-----------------|
| Red : 245 mcd              | Yellow | Blue : 625 mcd  |
| Green : 780 mcd            |        | White : 625 mcd |



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|  |                          | ITEM CODE |   |   |   |   |   |  |
|--|--------------------------|-----------|---|---|---|---|---|--|
|  |                          | N366      |   |   |   |   |   |  |
|  |                          | ↑         | ↑ | ↑ | ↑ | ↑ | ↑ |  |
| <b>VERSION</b>   |                          |           |   |   |   |   |   |  |
| Standalone : TCXO quartz radiosynchronizable time base<br>Accuracy +/- 0.1 sec/24 h (between 0°C and 40°C) | <input type="checkbox"/> | 2         |   |   |   |   |   |  |
| DCF Radiosynchronization. Antenna + 4m of cable  | <input type="checkbox"/> | D         |   |   |   |   |   |  |
| GPS Antenna + 10m of cable   | <input type="checkbox"/> | G         |   |   |   |   |   |  |
| 24V reversed parallel minute pulses receiver clock   | <input type="checkbox"/> | 3         |   |   |   |   |   |  |
| Minute 60V receiver  | <input type="checkbox"/> | V         |   |   |   |   |   |  |
| Serial reversed 1/2 minute pulses receiver clock<br>Consumption 1.25V. 60 to 120mA. 39 ohms shunt          | <input type="checkbox"/> | 5         |   |   |   |   |   |  |
| AFNOR NFS 87500* receiver clock  | <input type="checkbox"/> | 8         |   |   |   |   |   |  |
| SMPTE-EBU receiver clock   | <input type="checkbox"/> | 7         |   |   |   |   |   |  |
| ASCII RS 232 receiver clock  | <input type="checkbox"/> | B         |   |   |   |   |   |  |
| ASCII 422/485 receiver clock   | <input type="checkbox"/> | Q         |   |   |   |   |   |  |
| DHW 869.525 Mhz Synchronization  | <input type="checkbox"/> | L         |   |   |   |   |   |  |
| NTP Ethernet 10/100 base T Synchronization   | <input type="checkbox"/> | N         |   |   |   |   |   |  |
| Wi-Fi(IEEE 802.11B/G standard)   | <input type="checkbox"/> | W         |   |   |   |   |   |  |
| (*)IRIG.B Version: to be specified as « remark » on your Purchase Order.                                   |                          |           |   |   |   |   |   |  |
| <b>CONFIGURABLE LED</b>  |                          |           |   |   |   |   |   |  |
| Configurable colour : red, yellow, green   | <input type="checkbox"/> | 1         |   |   |   |   |   |  |
| Configurable colour : white or blue  | <input type="checkbox"/> | 5         |   |   |   |   |   |  |
| <b>MOUNTING</b>  |                          |           |   |   |   |   |   |  |
| Standard : wall mount**  | <input type="checkbox"/> | 1         |   |   |   |   |   |  |
| Flush mount  | <input type="checkbox"/> | 3         |   |   |   |   |   |  |
| ** Please refer to the brackets technical sheet  |                          |           |   |   |   |   |   |  |
| <b>COLOUR OF CASE</b>  |                          |           |   |   |   |   |   |  |
| Standard : anodized aluminium  | <input type="checkbox"/> | 7         |   |   |   |   |   |  |
| Black painted aluminium  | <input type="checkbox"/> | 0         |   |   |   |   |   |  |
| Specific   | <input type="checkbox"/> | -         |   |   |   |   |   |  |
| <b>POWER SUPPLY</b>  |                          |           |   |   |   |   |   |  |
| Standard : 230VAC/50-60Hz  | <input type="checkbox"/> | 0         |   |   |   |   |   |  |
| 115VAC/50-60Hz   | <input type="checkbox"/> | 1         |   |   |   |   |   |  |
| Power Over Ethernet (POE)  | <input type="checkbox"/> | 7         |   |   |   |   |   |  |
| Low voltage power supply : 12 VDC  | <input type="checkbox"/> | 2         |   |   |   |   |   |  |
| Low voltage power supply : 24 VDC  | <input type="checkbox"/> | 4         |   |   |   |   |   |  |
| Low voltage power supply : 48 VDC  | <input type="checkbox"/> | 6         |   |   |   |   |   |  |
| <b>OPTIONS</b>   |                          |           |   |   |   |   |   |  |
| Stop clock function via WEB interface  | <input type="checkbox"/> |           |   |   |   |   | F |  |
| Timer : touch housing control block (flush and wall mount version)<br>+ 4 meters of cable - up/down        | <input type="checkbox"/> |           |   |   |   |   | I |  |
| Timer case + 15 m of cable   | <input type="checkbox"/> |           |   |   |   |   | C |  |
| Temperature probe(accuracy ± 0.5°C) + 5 m cable : temperature and<br>hour displayed alternately            | <input type="checkbox"/> |           |   |   |   |   | T |  |
| Time beep output, or contact relays for end of timer   | <input type="checkbox"/> |           |   |   |   |   | E |  |
| ASCII RS232 output(do not associate with Ascii input version)  | <input type="checkbox"/> |           |   |   |   |   | A |  |
| or : ASCII RS422-485 output(do not associate with Ascii input version)                                     | <input type="checkbox"/> |           |   |   |   |   | R |  |
| Tropicalized   | <input type="checkbox"/> |           |   |   |   |   | U |  |
| Specification  | <input type="checkbox"/> |           |   |   |   |   | D |  |