LEDI® REVERSO 7.60.S
Indoor / Double face

Professional LED clock, robust and GORGY TIMING original design combining the best of the technology for an easy installation and operation.

2 YEARS WARRANTY

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.

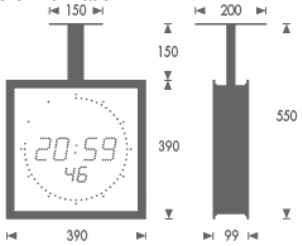
Specifications

Power supply (following version)	230VAC 50/60Hz 15VAC 50/60Hz Low voltage 12, 24 ou 48 VDC NTP Version: PoE (Power over Ethernet)
Certifications	CE, EN 62368, EN 55032, EN 55035, ROHS
Maximum consumption	18.95 VA
IP	30
MTBF	46 267 h
MTTR	Display: 5 min CPU: 5 min Power supply: 5 min
Weight	2.9 – 3.5kg
Dimensions	390x390x99 mm (LxHxD) Potence de fixation : 150 mm
Digit height	Hour/minute: 70 mm Seconds: 50 mm Wave of seconds: 60 points
Maximal distance of legibility	35 mètres
Operating temperature	-20° à 50°C
Electrical equipment classification	Class 1 (in 115 or 230 VAC) Class 3 (in 12, 24, 48 VDC or PoE)

Storage conditions

Conditions	Temperature	Hygrometry	Maximum cumulative duration
Extreme	-20°C to 10°C	10 to 85% HR	48h
Extreme	40°C to 70°C	10 to 85% HR	48h
Normal	10°C to 40°C	10 to 85% HR	6 months

The product must be switched on for 4 hours every 3 months to maintain its characteristics.*
*see user guide for more information



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 Mmode
- 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

Display / LED characteristics

Single row LED display, SMD technology, reading angle: 160°

bi-colour (red, green) LED		Monochrome LED
● Red: 245 mcd	●Yellow	● Blue: 625 mcd
● Green: 780 mcd		○ White: 625 mcd

Synchronisation inputs

- 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

Réf : BDR_UK2-8_LEDI-and-multizone-clocks-V7.0-priceless

LEDI® REVERSO 7.60.S Indoor / Double face

		ITEM CODE											
		ND365	/										
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**								
MOUNTING													
Please refer to the brackets technical sheet	▣					**P**							
COLOUR CASING													
Grey anodised aluminium	▣							**7**					
Black anodised aluminium	■							**0**					
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**			
[(3)]Low voltage power supply: 12 VDC *(Excluding versions K, N or W)*	▣									**2**			
[(3)]Low voltage power supply: 24 VDC *(Excluding versions K, N or W)*	▣									**4**			
[(3)]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) + 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 (Ethernet or Wi-Fi)*
***(4)** CDG035 – GT Chrono compatible: Only for NTP Advanced Ethernet version (option K), management of the triggering of groups of clocks simultaneously and synchronised, by Windows software.*
***(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*