

LEDI® 5.S Hospital



Professional LED clock, 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.

Specifications

Power supply (following version)	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	66 (after flush mounting) front face
MTBF	56 225 h
MTTR	Display: 5 min CPU: 5 min Power supply: 5 min
Weight	2.350 kg
Dimension	375x164x66 mm (LxHxD) Flush mount wall opening: 320x150 mm
Digit height	Hour/minute: 50 mm Seconds: 50 mm
Maximal distance of legibility	25 meters
Operating temperature	-20° to 50°C
Electrical equipment classification	⚡ Class 1 (in 115 or 230 VAC) ⚡ Class 3 (in 12, 24, 48 VDC or PoE)

TIMER CASING OPTION:

Front face	Makrolon treatment Enamelling in white
Case	Flush mount, with 4m cable, disconnectable
Dimension	142x80x29 mm
IP	66 (after flush mounting)
Timer function	Touch/tactile – Function : start/stop, up/down

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 IP66** (after flush mounting and gasket setting)
- **Toughened Mineral glass antibacterial front panel**
- **Flush mount timer with white Makrolon front face**
- **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 Ethernet Version 10/100BaseT

- Synchronisation of up to 3 NTPv4 servers
- Time zone selection and automatic summer/winter time change
- Supervision by SNMP v1
- Configurations accessible via http
- IPv4 / IPv6 protocoles

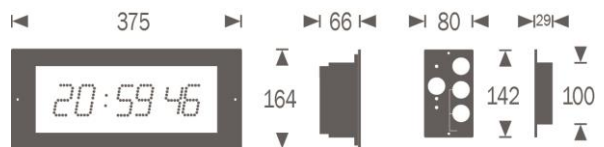
Display / LED characteristics

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 IIRIG B (to specify at purchase order)
- ASCII RS232, ASCII RS422/485
- NTP Ethernet 10/100BaseT automatic detection :RJ45



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		ITEM CODE							
		N356H			5	7			
		↑	↑	↑	↑	↑	↑	↑	↑
VERSION									
Standalone: radio-synchronisable quartz time base 3.6864 MHz <input type="checkbox"/>		2							
Holdover +/- 0.1 sec/24 h (between 0 and 40°C) <input type="checkbox"/>									
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"/>									
Consumption 1.25V. 60 to 120mA. 39 ohms shunt <input type="checkbox"/>		5							
⁽²⁾ AFNOR NFS 87500 Receiver <input type="checkbox"/>		8							
ASCII RS 232 Receiver <input type="checkbox"/>		B							
ASCII 422/485 Receiver <input type="checkbox"/>		Q							
NTP Synchronisation (Ethernet RJ45 10/100) <input type="checkbox"/>		N							
⁽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							
MOUNTING									
Flush mount, IP66, glass front panel white background <input type="checkbox"/>			5						
COLOUR CASING									
Grey anodised aluminium <input type="checkbox"/>				7					
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</i>) <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				
OPTIONS									
⁽³⁾ Timer: touch housing control block (flush and wall mount version) + 4 meters of cable - up/down <input type="checkbox"/>							I		
⁽³⁾ Timer : touch housing control block (flush and wall mount version) + 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	
⁽³⁾ ASCII RS232 output (<i>not to be combined with Ascii input version</i>) <input type="checkbox"/>								A	
or: ⁽³⁾ ASCII RS422-485 output (<i>not to be combined with Ascii input version</i>) <input type="checkbox"/>								R	
Tropicalization <input type="checkbox"/>									U

⁽³⁾ Option not available in NTP version