



LEDI® 12 Outdoor / Waterproof

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

Power supply	230 VAC/50-60 Hz 115 VAC/50-60 Hz Low voltage 12, 24 or 48 VDC
Certification	CE, EN 60950, EN 55022, EN 55024, ROHS.
Maximum consumption	13,78 VA
IP	66 front face / 55 back face
MTBF	56 225 h.
MTTR	Display : 5 min. CPU : 5 min. Power supply : 5 min.
Weight	2,5 kg
Dimension	506x216x75mm (LxHxD)
Digit height	Hour/minute : 110 mm
Maximal distance of legibility	Up to 60 meters
Shock resistance	IK9
Operating temperature	-20° to 60°C
Humidity	95% at 40°C
Electrical equipment classification	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 °.
- A protection against over-voltage and industrial interference via EMC filter.
- An easy "plug and play" installation.
- An anodized aluminium case wall mount (screw lock) or bracket mount.
- Securit glass 4mm on front side.
- 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).
- 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.
- NTP Ethernet 10/100 BaseT automatic detection :RJ45.
- SMPTE.
- Wi-Fi (IEEE 802.11 a/b/g/n standard).



Display / LED specifications

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

bi-colored LED (red green)	
Red : 245 mcd	Yellow
Green : 780 mcd	



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		ITEM CODE							
		ND390E							
		↑	↑	↑	↑	↑	↑	↑	
DISPLAY									
Single face	<input type="checkbox"/>	1							
Double face	<input type="checkbox"/>	2							
VERSION									
Standalone : TCXO quartz radiosynchronizable time base 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							
AFNOR NFS 87500* receiver clock	<input type="checkbox"/>	8							
ASCII RS 232 receiver clock	<input type="checkbox"/>	B							
ASCII 422/485 receiver clock	<input type="checkbox"/>	Q							
NTP Ethernet 10/100 base T Synchronization	<input type="checkbox"/>	N							
Wi-Fi (IEEE 802.11 a/b/g/n standard)	<input type="checkbox"/>	W							
*IRIG.B Version : to be specified as « remark » on your Purchase Order.									
CONFIGURABLE LED									
High Brightness LED : configurable display in red, yellow, green	<input type="checkbox"/>	4							
MOUNTING									
(Single face) Standard : wall mount	<input type="checkbox"/>	1							
(Single or double face) To be associated with requested brackets **	<input type="checkbox"/>	P							
** Please refer to the brackets technical sheet									
COLOUR OF CASE									
Standard : anodized aluminium	<input type="checkbox"/>	7							
POWER SUPPLY									
Standard : 230VAC/50-60Hz	<input type="checkbox"/>	0							
115VAC/50-60Hz	<input type="checkbox"/>	1							
Power Over Ethernet (POE) 1 cable (Single face)	<input type="checkbox"/>	7							
Power Over Ethernet (POE) 2 cables (Double face)	<input type="checkbox"/>	8							
OPTIONS									
*Stop clock function via WEB interface	<input type="checkbox"/>	F							
**Timer : touch housing control block (flush and wall mount version) + 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 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) or : ASCII RS422-485 output(do not associate with Ascii input version)	<input type="checkbox"/>	A R							
Specification	<input type="checkbox"/>	S							

*CDG035 – GT Chrono : management software of countdown timer on a group of clocks.

**not available on NTP and Wi-Fi version clocks.