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### 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 vears.

#### 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	30
MTBF	56 225 h
MTTR	Display: 5 min CPU: 5 min Power supply: 5 min
Weight	1.4 - 2 kg
Dimension	315x145x99 mm (LxHxD) Bracket: 150 mm
Digit height	Hour/minutes/seconds: 50 mm
Maximal distance of legibility	25 meters
Operating temperature	-20° to 50°C
Electrical equipment classification	General Gener

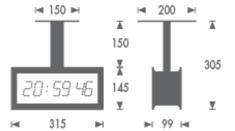
#### Storage conditions

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

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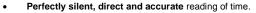


# LEDI<sup>®</sup> REVERSO 5.S Indoor / Double face

GORGY D TIMIN

Professional LED clock, robust and stylish combining the best of the technology for an easy installation and operation.

#### Key features



- 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 vears warrantv
- 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, g	bi-colour (red, green) LED			
• Red: 245 mcd		Blue: 625 mcd		
Green: 780 mcd	Yellow	○ 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



# LEDI<sup>®</sup> REVERSO 5.S Indoor / Double face

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(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       I         (3) Timer : touch housing control block (flush and wall mount version)       + 15 meters of cable - up/down       I         (3) Temperature probe(accuracy ± 0.5°C) + 5 m cable : temperature and hour displayed alternately       I       I         (5) IP Temperature sensor module (versions K, N or W)       I       I         (3) Timer output or stopwatch contact       I       I         (3) ASCII RS232 output (not to be combined with Ascii input version)       I       A				ITEM CODE					
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Holdover +/- 0.1 sec24 h (between 0 and 40°C)         P         I         I           DCF Radiosynchronisation (Synchro in telecom pair cable)         D         P         I         I           GPS Radiosynchronisation (Synchro in telecom pair cable)         D         G         I         I           GPS Radiosynchronisation (Synchro in telecom pair cable)         D         G         I         I           Genal reversed 1/2 minute pulses receiver clock         D         S         I         I         I           Consumption 1.22V. 600 to 120m.4 30 others shunt         S         I         I         I         I           GPAFNOR INS 3700 Receiver         B         I         I         I         I         I           MOLTE State Receiver         B         I         I         I         I         I           STANDARD NTP Synchronisation (Ethermet RJ45 10/100)         K         K         I				2					
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GPS Radiosynchronisation. GPS Antenna + 10m cable         B         G         I         I           6mA/24V reversed parallel minute pulses receiver clock         3         I         I         I           Consumption 1.25V. 60 to 120mA. 39 ohms shunt         5         I         I         I           (%APOR NFS 63200 Receiver         8         I         I         I           (%APOR NFS 63200 Receiver         8         I         I         I           (%APOR NFS 63220 Receiver         8         I         I         I           ASCII 82.228 Receiver         8         I         I         I           ADVANCED NTP Synchronisation (Ethernet RJ45 10/100)         K         I         I         I           STANDARD NTP Synchronisation (Wi-FI IEEE 802.11 a/b/gin standard         W         I         I         I           (1) Always combine this version with 30/AC 50/60Hz power supply only         2.1 d/B/2.1         W         I         I         I           (2) If IRG.8. wersion, please speciely as a note on your order         I         I         I         I           Stelectable colour, red, yellow, green         1         I         I         I         I           COLOUR CASING         I         I         I         I <td>, , , , , , , , , , , , , , , , , , ,</td> <td></td> <td></td> <td>_</td> <td>_</td> <td>_</td> <td></td> <td></td> <td></td>	, , , , , , , , , , , , , , , , , , ,			_	_	_			
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ASCII 422/485 Receiver  ADVANCED NTP Synchronisation (Ethernet RJ45 10/100)  ADVANCED NTP Synchronisation (Ethernet RJ45 10/100)  ADVANCED NTP Synchronisation (Ethernet RJ45 10/100)  ADVANCED NTP Synchronisation (Wi-Fi IEEE 802.11 a/b/g/n standard 2.4 Grz)  W (1) Always combine this version with 230/AC 50/60/Hz power supply only (2) If IRIG.B. version, please specify as a note on your order  PROGRAMMABLE LED PROGRAMMABLE LED PROGRAMMABLE LED NOUNTING Please refer to the brackets technical sheet  PROGRAMABLE IED COLOUR CASING Gree Please refer to the brackets technical sheet  PROGRAMMABLE IED Please refer to the brackets technical sheet  PROGRAMMABLE IED COLOUR CASING Gree Please refer to the brackets technical sheet  PROGRAMMABLE IED OUNTING Please refer to the brackets technical sheet  PROGRAMMABLE IED OUNTING Please refer to the brackets technical sheet  PROGRAMMABLE IED OUNTING Please refer to the brackets technical sheet  PROGRAMMABLE IED OUNTING COLOUR CASING Gree VIEWER VIEWE	SMPTE-EBU Receiver			7					
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(4)Timer function via web interface (versions K, N or W)       Image: Constant of the second se								6	
(4)Timer function via web interface (versions K, N or W)       Image: Constant of the second se									
(a) Timer: touch housing control block (flush and wall mount version)       Image: Control block (flush and wall mount version)         (a) Timer: touch housing control block (flush and wall mount version)       Image: Control block (flush and wall mount version)         (a) Timer: touch housing control block (flush and wall mount version)       Image: Control block (flush and wall mount version)         (a) Timer: touch housing control block (flush and wall mount version)       Image: Control block (flush and wall mount version)         (a) Timer: touch housing control block (flush and wall mount version)       Image: Control block (flush and wall mount version)         (a) Timer probe(accuracy ± 0.5°C)       + 5 m cable : temperature and hour displayed alternately       Image: Control block (flush and wall mount version)         (b) IP Temperature sensor module (versions K, N or W)       Image: Control block (flush and wall mount version)       Image: Control block (flush and wall mount version)         (a) ASCII RS232 output (not to be combined with Ascii input version)       Image: Control block (flush and wall mount version)       Image: Control block (flush and wall mount version)         (a) ASCII RS232 output (not to be combined with Ascii input version)       Image: Control block (flush and wall mount version)       Image: Control block (flush and wall mount version)									
+ 4 meters of cable - up/down     •       (a) Timer : touch housing control block (flush and wall mount version) + 15 meters of cable - up/down     •       (a) Timer : touch housing control block (flush and wall mount version) + 15 meters of cable - up/down     •       (a) Temperature probe(accuracy ± 0.5°C) + 5 m cable : temperature and hour displayed alternately     •       (b) IP Temperature sensor module (versions K, N or W)     •       (a) Timer output or stopwatch contact     •       (a) ASCII RS232 output (not to be combined with Ascii input version)     •									F
+ 4 meters of cable - up/down       + 4 meters of cable - up/down         (a) Timer : touch housing control block (flush and wall mount version) + 15 meters of cable - up/down       •         (a) Temperature probe(accuracy ± 0.5°C) + 5 m cable : temperature and hour displayed alternately       •         (b) IP Temperature sensor module (versions K, N or W)       •         (a) Timer output or stopwatch contact       •         (a) ASCII RS232 output (not to be combined with Ascii input version)       •									1
+ 15 meters of cable - up/down     Image: Comparison of the cable - up/down       (3)Temperature probe(accuracy ± 0.5°C) + 5 m cable : temperature and hour displayed alternately     Image: Comparison of the cable - up/down       (5)IP Temperature sensor module (versions K, N or W)     Image: Comparison of the cable - up/down       (5)IP Temperature sensor module (versions K, N or W)     Image: Comparison of the cable - up/down       (3)Timer output or stopwatch contact     Image: Comparison of the cable - up/down       (3)ASCII RS232 output (not to be combined with Ascii input version)     Image: Comparison of the cable - up/down									-
(3)Temperature probe(accuracy ± 0.5°C) + 5 m cable : temperature and hour displayed alternately       Image: Constraint of the second sec									С
hour displayed alternately     Image: Constraint of the sensor module (versions K, N or W)     Image: Constraint of the sensor module (versions K, N or W)       (6) IP Temperature sensor module (versions K, N or W)     Image: Constraint of the sensor module (versions K, N or W)     Image: Constraint of the sensor module (versions K, N or W)       (3) ASCII RS232 output (not to be combined with Ascii input version)     Image: Constraint of the sensor module (versions K, N or W)     Image: Constraint of the sensor module (versions K, N or W)		_							
(6) IP Temperature sensor module (versions K, N or W)       Image: Comparison of the sensor module (versions K, N or W)       Image: Comparison of the sensor module (versions K, N or W)         (3) ASCII RS232 output (not to be combined with Ascii input version)       Image: Comparison of the sensor module (version of the senset))									Т
(3)ASCII RS232 output (not to be combined with Ascii input version)									G
or									Ε
or: _	<sup>(3)</sup> ASCII RS232 output (not to be combined with Ascii input version)								Α
									R
ASCII RS422-485 output (not to be combined with Ascii input version)	Tropicalization					U			
I ropicalization									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

(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

GORGY J TIMING

MARQUE DU TEMPS