DESCRIPTION

- Indoor clock with backlit liquid crystal display (LCD)
- Hour and multilingual date display, with temperature
- Extra flat casing.
- Optimal viewing distance 25 metres (Height of digits 6cm), angle of vision 160°.
- Integrated temperature probe.
- Casing colour: aluminium.
- Versions: radio synchronised DCF, DHF receiver, impulse slave movement, IRIG B/AFNOR coded time receiver or NTP receiver.

STANDARDS

- EN 50081-1: Generic Emissions.
- EN 50082-1: Generic Immunity.
- EN 60950: Information Technology Equipment - Safety.

GENERAL FEATURES

- **Eco function**..... Providing energy savings through switching off display between 23.00 and 6.00.
- **Operation**..... Silent.
- **Display mode**..... 12 or 24 h.
- **Temperature display**..... -25°C to +70°C or -13°F to +158°F.
- **Display**..... Selection °C or °F in the menu. Display resolution: 1°C. Accuracy: ±0.5°C. Offset adjustment, possible from -9.5° to +9.5° in 0.5° steps.
- **Display**..... Multifunctional.
- **Display of language**..... A choice of 12 languages
- **Time change**..... Pre-programmed automatic summer/winter time changeover and perpetual calendar with multi time zones.
- **Data saving**..... Permanent.
- **Accuracy of the time quartz base**..... 0.2 second/day. (adjustable)
- **Absolute time accuracy**..... With optional radio synchronisation.
- **2 buttons**..... Programming and time setting.
- **NTP Synchronisation**..... Unicast, multicast ou par serveur DHCP.

MECHANICAL FEATURES

- **Construction**..... ABS casing, IP40, IK02.
- **Window**..... Glass.
- **Operating temperature**..... 0 to 50°C.
- **Humidity**..... 80% at 40°C.
- **Weight**..... 1.4 Kg.

ELECTRICAL FEATURES

- **Power supply**..... - Models AFNOR coded time receiver, wireless DHF, independent/24V minute impulse receiver : 230VAC ± 10%, 50/60 Hz.
  - Model NTP : PoE (Power Over Ethernet).
- **Consumption**..... Models AFNOR, DHF, DCF = 0.3A (Class II)
  Model NTP = 6W (Class III PoE)

REFERENCES

- **938 324A**..... Radio synchronised DCF
- **938 333A**..... Slave movement on impulses or IRIG B/AFNOR receiver
- **938 342A**..... DHF radio receiver
- **938 372A**..... NTP PoE receiver

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MULTIFUNCTIONAL CLOCK

Possibility for fixed or alternate display on the bottom display line:
- Multilingual date.
- Numerical date.
- Indoor ambient temperature.
- Day number (Julian) and week number.
- Second counter.
- Site or city or company name or message (up to 7 characters).

MOVEMENTS AND SYNCHRONISATION

• DHF movement
The clock is radio-synchronised by a DHF transmitter. Automatic summer/winter time changeover.

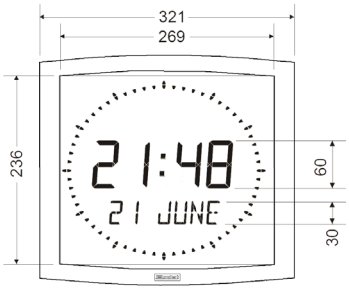
• DCF Radio synchronised movement
The clock is independent, the time information comes from its own time basis which is rectified, in case of drift, by comparing it to the DCF transmitter signal.
The radio synchronisation permit to display the time with perfect accuracy.
Automatic summer/winter time changeover.

• IRIG B/AFNOR coded time receiver
The coded time distribution consist in transmitting a complete time message each second: the setting on time of the receivers is realised automatically and speedily as soon as they are connected on the clock line.
The IRIG B/AFNOR coded time does not transmit interference and is insensitive to other electrical interference.

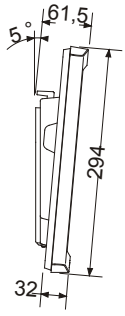
• 24V minute impulses receiver movement
The receiver clocks are connected to a distribution line and activated by means of electrical impulses transmitted every minute by the master clock.

• NTP PoE receiver
The slave clocks are connected to the network Ethernet through IP addressing. The time synchronisation is distributed from primary servers towards the network or master clock with unicast, multicast or by DHCP models.
The NTP server must have a transmission (Poll) period of less than 128 seconds.

Opalys Ellipse
on table support



Opalys Ellipse
on double-sided bracket



ACCESSORIES

- **202 271**..... Wall support (supplied)
- **938 902**..... Table support
- **938 901**..... Double sided bracket for wall or ceiling mounting
- **938 905**..... Double sided bracket for wall or ceiling mounting (long length)
- **938 908**..... Single or double sided bracket specific length for wall or ceiling mounting (Please specify on the order the fixing mode (wall or ceiling) and the length between the top of the clock and the fixing point).

Dimensions in mm

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