

Digital clock

Digital clock

Opalys Date

Description :

- ▶ Indoor clock with backlit liquid crystal display (LCD)
- ▶ Hour and multilingual date display, with temperature, day countdown.
- ▶ Extra flat casing.
- ▶ Readability 30 metres, angle of vision 160°.
- ▶ External power supply 230VAC or PoE (Power over Ethernet) for NTP version.
- ▶ Versions: independent quartz, radio synchronised (FI or DCF), DHF receiver, impulse slave movement, IRIG B/AFNOR coded time receiver or NTP receiver.



Technical features:

- ▶ Multifunctional display.
- ▶ Display in a choice of 18 languages.
- ▶ 12 or 24 hour display mode.
- ▶ Temperature display from -25°C to +70°C or -13°F to +158°F.
- ▶ 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.
- ▶ Pre-programmed automatic summer/winter time changeover and perpetual calendar with multi-time zones.
- ▶ Permanent data savings.
- ▶ Accuracy of the time quartz base : 0.2 second/day.
- ▶ ABS casing, IP40, IK02.
- ▶ Silent operation.
- ▶ Programming and time setting through 2 buttons.
- ▶ Eco function providing energy savings through switching off display between 23.00 and 6.00.
- ▶ PoE consumption: 7.5 W maximum; Class 0 device.
- ▶ NTP transmission mode: multicast only.
- ▶ Casing colour: aluminium.
- ▶ Operating temperature: from 0 to 50°C.
- ▶ Humidity: 80% at 40°C.
- ▶ Weight: 1,4 Kg.

Multifunctional clock:

Possibility for fixed or alternate display on the central display line :

- ▶ Day of the week multilingual.
- ▶ Ambient temperature in Celsius or Fahrenheit (limited to 99°).
- ▶ Day number (Julian).
- ▶ Week number.
- ▶ Second counter.

Possibility for fixed or alternate display on the bottom display line:

- ▶ Multilingual date.
- ▶ Numerical date.
- ▶ Site or city name or a word (up to 7 characters).
- ▶ Day countdown.



Opalys Date references

- | | |
|---|----------|
| ▶ Radio synchronised France Inter | 938 222A |
| ▶ Radio synchronised DCF | 938 224A |
| ▶ Slave movement on impulses or IRIG B/AFNOR receiver | 938 233A |
| ▶ DHF radio receiver | 938 242A |
| ▶ NTP PoE receiver | 938 262A |



Digital clock

Digital clock

Opalys date



Table bracket



Double-sided bracket

Movements and synchronisation:

DHF movement

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

FI or 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 FI or 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.

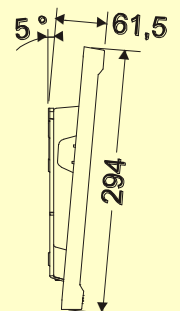
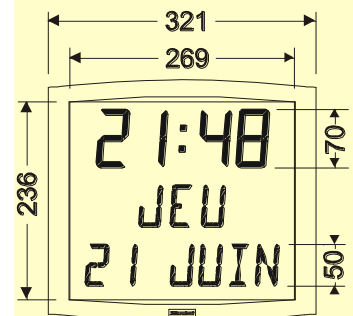
NTP PoE receiver

- ▶ A NTP time server sends UTC time periodically on the Ethernet network. The clocks pick up the time messages, apply the relevant time zone and set themselves automatically to local time.
- PoE power is supplied to the clock through the network via the RJ45 plug.

Norms:

- ▶ Norm NF EN50081-1 : generic emission standard.
- ▶ Norm NF EN50082-1 : generic immunity standard.
- ▶ Norm NF EN60950 : safety of information technology equipment.

Dimensions in mm



Options:

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

