

DESCRIPTION











- Analogue display clock.
- Hour-Minute or Hour-Minute-Second display depending on the model.
- ABS casing IP 40, IK02 (indoor use).
- Optimal viewing distance: 20m.
- Poly methacrylate protective crystal (PMMA).
- Front casing colours: black, white or aluminium paint.
- Dial markings: Arabic figures or minute notches or DIN.
- Wall bracket with optional locking system.



COMPLIANCE

- Directive EMC 2014/30/EU,
- Directive LVD 2014/35/EU,
- Directive RED 2014/53/EU.

TECHNICAL FEATURES

| | Movement | Power supply | Operating temperatures | Weight |
|---|--|--|------------------------|--------|
| | Quartz 1.5 V | 1.5 V LR6 battery | - 5°C to +50°C | 0.7 kg |
|  | 24V minute parallel impulse | - | - 10°C to +50°C | 0.9 kg |
|  | 24V second parallel impulse | - | - 10°C to +50°C | 0.9 kg |
|  | ½ minute serial impulse | - | - 10°C to +50°C | 0.9 kg |
|  | AFNOR | 6 to 24 VDC | - 5°C to +50°C | 0.9 kg |
|  | NTP / ETH NTP / ETH (silent, sweeping second) | Power over Ethernet, Class 0 device, 2W maximum | - 5°C to +50°C | 0.9 kg |
|  | NTP / Wi-Fi TBT | 6 to 24 VDC | - 5°C to +50°C | 0.9 kg |
|  | NTP / Wi-Fi AC | 100 - 240 VAC | - 5°C to +50°C | 0.9 kg |
|  | DCF Radio | 1.5V LR6 battery | - 5°C to +50°C | 0.7 kg |
|  | DHF battery | 2x1.5V LR6 batteries | - 5°C to +50°C | 0.9 kg |
|  | DHF TBT | 6 to 16 VDC | - 5°C to +50°C | 0.9 kg |

REFERENCES

| Hour-Minute | Hour-Minute-Second | |
|-------------|--------------------|-------------------------|
| - | 981 1xy | Quartz 1.5V |
| 981 5xy | - | 24V minute impulse |
| - | 981 4xy | 24V second impulse |
| 981 6xy | - | ½ minute serial impulse |
| 982 8xy | 982 9xy | AFNOR |
| 982 Fxy | 982 Gxy | NTP / ETH |
| - | 982 Hxy | NTP / ETH (silent) |
| - | 981 3xy | DCF radio |
| 982 2xy | 982 3xy | DHF battery |
| 982 4xy | 982 5xy | DHF TBT |
| 982 Wxy | 982 Yxy | NTP / Wi-Fi TBT* |

x and y: refer to the illustrations.

* NTP Wi-Fi AC : via an AC adapter power supply unit (ref: 982 001).
Power up to 2 Wi-Fi clocks maximum.

Example: Profil 930 NTP Wi-Fi AC HM, Arabic figures and white front casing : 982 W11 + 982 001.

Dials models (x):

1 = Arabic figures



2 = Minute notch



3 = DIN



Front casing colours (y):

1 = White



2 = Black



5 = Aluminium



MOVEMENTS AND SYNCHRONISATION

• Quartz 1.5V

The clock is completely autonomous, the time information is provided by its own time system.

• 24V minute impulse

Slave clocks are connected to a distribution line and activated through electrical impulses sent every minute by the master clock.

• 24V second impulse

Slave clocks are connected to a distribution line and activated through electrical impulses sent every second by the master clock.

• 1/2 minute serial impulse

Slave clocks are connected to a distribution line and activated through electrical impulses sent every ½ minute by the master clock.

• AFNOR

The coded time distribution consists in transmitting a complete time message every second: the time on the receiver is automatically and immediately set after connection to the clock line.

The AFNOR coded time does not interfere with any other transmissions, and is insensitive to other electrical interference.

Consumption TBT: 10 mA (6 VDC), 8 mA (24 VDC).

• Network Time Protocol (NTP / ETH)

Slave clocks are connected to the Ethernet network and powered by PoE (Power over Ethernet).

The time is synchronised by the time server or the master clock over the Ethernet network in unicast, multicast or DHCP mode.

• Network Time Protocol (NTP / ETH) silent

Slave clocks are connected to the Ethernet network and powered by PoE (Power over Ethernet).

The time is synchronised by the time server or the master clock over the Ethernet network in unicast, multicast or DHCP mode.

The second hand's movement is continuous. The advantage of this clock is its very low noise level (<20dB at 1 metre).

• Network Time Protocol (NTP / Wi-Fi)

Slave clocks are connected to the network through the Wi-Fi access point.

The time is synchronised by the time server or the master clock over the network in unicast, multicast or DHCP mode.

• DCF radio

The clock is completely autonomous. The DCF radio synchronised movement provides absolute accuracy and automatic summer/winter changeovers.

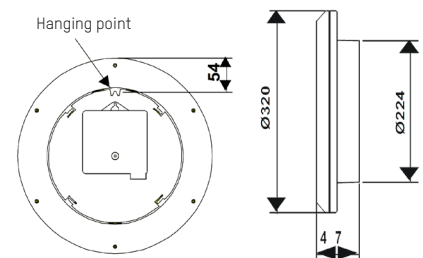
• DHF

The DHF clocks pick up the time signal sent by the master clock via a radio signal and synchronise automatically. If radio reception is poor, the clocks keep time thanks to their own time systems.

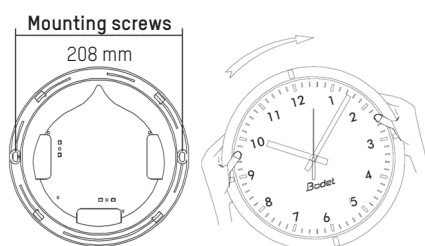
Consumption TBT: from 15mA at 6V to 8mA at 12V to 7mA at 16V.

ACCESSORIES

- 981 001..... Double-sided bracket
- 981 002..... Short double-sided bracket
- 981 006..... Secure wall mounting bracket for single-sided clock
- 981 010..... Single-sided bracket
- 938 914..... 230V recess mounting power supply for TBT clock
Power up to 10 clocks maximum except for Wi-Fi models
Power up to 2 Wi-fi clocks maximum
- 938 916..... 100-240V plug-in power supply for TBT clock
Power up to 10 clocks maximum except for Wi-Fi models
Power up to 2 Wi-fi clocks maximum
- 982 001..... 100-240V adapter power supply unit for NTP / Wi-Fi clocks only
Power up to 2 Wi-Fi clocks maximum.

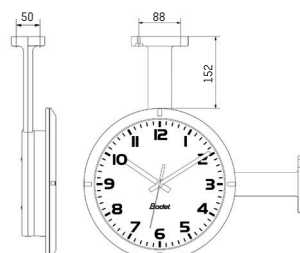


Single-sided wall support

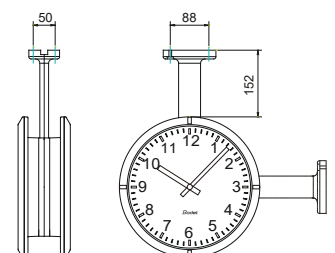


Once the bracket (wall or double-sided) is installed, turn the clock a quarter turn in the clockwise direction so that the clock is in the correct position.

Single-sided bracket mounting



Double-sided bracket mounting



Dimensions in mm

Réf.: 643191X 03/22