

Hour and minute hand clock

Analogue clocks

Profil 930

Description

- ▶ Clock with analogue display.
- ▶ Hour - minute or hour - minute and second display.
- ▶ ABS casing IP 40, IK02.
- ▶ Optimal viewing distance : 20m.
- ▶ Protective glass made with poly methacrylate.
- ▶ Casing colours: black, white, aluminium or chromium.
- ▶ Dial models: Arabic figures or minute notches or DIN.
- ▶ Wall bracket with optional locking system.



Wired models

Technical features

Movement	Power supply	Operating temperature	Weight
Quartz 1.5V	1.5V LR6 battery	- 5°C to +50°C	0.7 kg
24V minute impulse		-10°C to +50°C	0.9 kg
24V second impulse		-10°C to +50°C	0.7 kg
1/2 minute serial		-10°C to +50°C	0.9 kg
AFNOR	6 to 24VDC	-5°C to +50°C	0.7 kg
NTP NTP (silent)	Ethernet, Class 0 device, 2W maximum	-5°C to +50°C	0.7 kg

Norms:

- ▶ Norm NF EN50081-1 : generic emission standard.
- ▶ Norm NF EN50082-1 and 50082-2: generic immunity standard.
- ▶ Norm NF EN55022 class B: radio disturbance of information technology equipment.
- ▶ Norm NF EN60950: Safety of information technology equipment.
- ▶ Norm NF EN300-220-3: radio equipment standard.
- ▶ Norm NF EN301-489-3: EMC standard for radio equipment
- ▶ Norm AFNOR NF S 87-500 C

Dials models (x)

1 :
Arabic figures



2 :
Minute notch



3 :
DIN



Casing colours (y)

1 :
White



2 :
Black



5 :
Aluminium



3 :
Chromium
(option)



References

	Hour-Minute	Hour-Minute-Second indoor
Quartz 1.5V		981 1xy
24V minute impulse	981 5xy	
24V second impulse		981 4xy
1/2 minute serial impulse	981 6xy	
AFNOR	982 8xy	982 9xy
NTP	982 Fxy	982 Gxy
NTP (silent)		982 Hxy

x and y : refer to the illustrations.



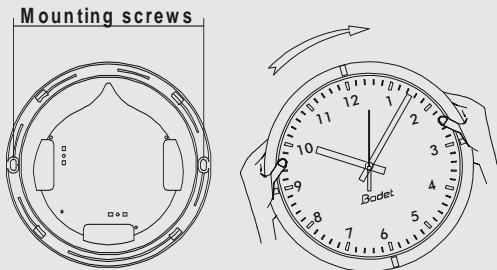
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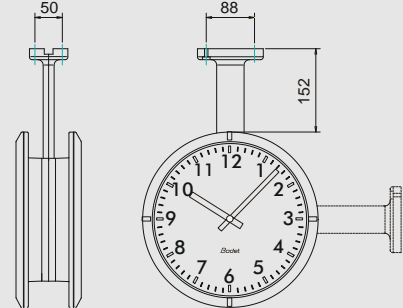
Profil 930

Single sided wall support



When the support is fixed on the wall, turn the clock a quarter turn in the clockwise so that the clock is in

Double sided bracket mounting



Wired models



Movements and synchronisation

Quartz 1.5V

► The clock is totally independent, the time information comes from its own time base. The operating temperature range of these clocks is -5°C to +50°C when using Lithium batteries.

1.5V serial impulse (for BT Chrono)

► The slave clocks are connected to a radio synchronization box (BT Chrono) that generates electrical impulses every minute. The operating temperature range of these clocks and of the box is -10°C to +50°C.

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 each second: the setting on time of the receivers is realised automatically and immediately after connection to the clock line.

► The AFNOR coded time does not transmit interference and is insensitive to other electrical interference.

Network Time Protocol (NTP)

► The slave clocks are connected to the network Ethernet through IP addressing.

The time synchronization is distributed from primary servers towards the network or master clock with unicast, multicast or by DHCP models.

Network Time Protocol (NTP) silent

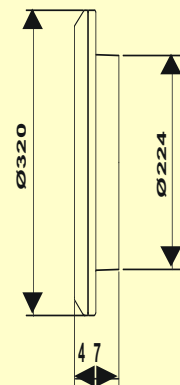
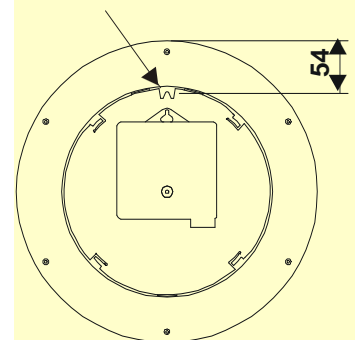
► The slave clocks are connected to the network Ethernet through IP addressing.

The time synchronization is distributed from primary servers towards the network or master clock with unicast, multicast or by DHCP models.

► The second hand movement is continuous. The advantage of this clock is its very low noise level (<18dB at 1 meter).

Dimensions in mm

Hanging point



Mounting Accessories

- | | |
|---|---------|
| ► Double sided bracket | 981 001 |
| ► Short double sided bracket | 981 002 |
| ► Secure wall fixing bracket for single sided clock | 981 006 |
| ► 230V power supply with screw terminal for TBT clock | 938 914 |
| ► 230V power supply with mains plug for TBT clock | 938 916 |



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- ▶ Wall bracket with optional locking system.



Wireless models



Technical features

Movement	Power supply	Operating temperature	Weight
DCF Radio	1.5V LR6 battery	- 5°C to +50°C	0.7 kg
France Inter Radio	2x1.5V LR6 batteries	- 5°C to +50°C	0.7 kg
DHF battery	2x1.5V LR6 batteries	- 5°C to +50°C	0.7 kg
DHF TBT	6 to 24VDC	- 5°C to +50°C	0.7 kg

Norms

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Dials models (x)

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Casing colours (y)

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White



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Aluminium



3 :
Chromium
(option)



References

	Hour-Minute	Hour-Minute-Second
DCF radio		981 3xy
France Inter radio		982 1xy
DHF battery	982 2xy	982 3xy
DHF TBT	982 4xy	982 5xy

x and y : refer to the illustrations.



Bodet

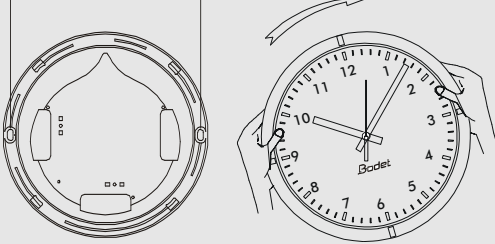
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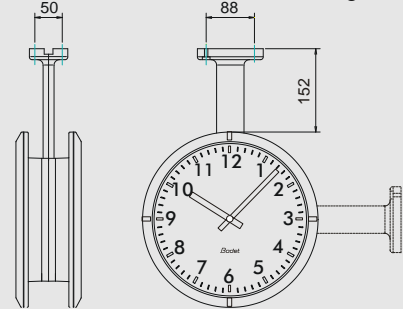
Single sided wall support

Mounting screws



When the support is fixed on the wall, turn the clock a quarter turn in the clockwise so that the clock is in

Double sided bracket mounting



Wireless models



Movements and synchronisation

DCF or France Inter radio

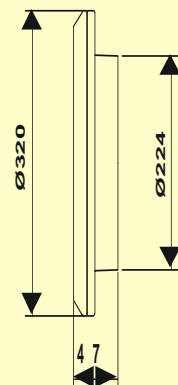
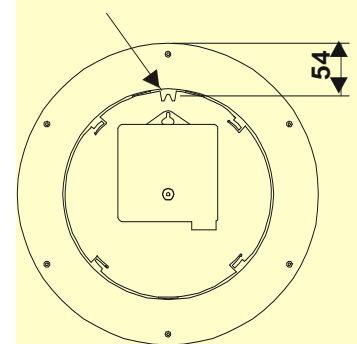
► The clock is totally independent. The France Inter or DCF radio synchronized movement brings absolute accuracy and automatic summer/winter changeovers.

DHF battery or DHF TBT or DHF 230V (norm AFNOR NF S 87-500)

► The DHF clocks pick up the radio signal and get automatically synchronised. If radio reception is poor, they keep on working on their own time base.
Consumption: from 15mA at 6V to 8mA at 16V.

Dimensions in mm

Hanging point



Mounting Accessories

- | | |
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| ► Double sided bracket | 981 001 |
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