



Time management

Synchronising • Distributing • Displaying time

Profil 940



www.bodet-time.com

MADE IN FRANCE

DESCRIPTION

- Analogue clock for indoor or outdoor use depending on the model.
- Hour and Minute (HM) or Hour, Minute and Second display (HMS) depending on the model.
- Dial markings: figures, notches or DIN.
- Casing colours:
 - Indoor models: black, aluminium paint or white.
 - Outdoor models: white.
- Optional for indoor models: locking disk for wall mounting, single or double-sided bracket arm.
- Supplied for outdoor models: locking disk for wall mounting.
- Optional for outdoor models: single or double-sided bracket arm.

COMPLIANCE

- Directives: LVD 2014/35/EU, EMC 2014/30/EU, RED 2014/53/EU, IEEE 802.11 b/g/n (NTP/Wi-Fi models).

TECHNICAL FEATURES

Mechanical and electrical features

- Construction..... Casing: ABS.
Glass: PMMA.
- Mounting..... Wall mounting (with or without locking disc) or on bracket arm.
- Protection index..... Indoor models: IP40, IK02.
Outdoor models: IP53, IK02.
- Viewing distance..... 35 m.
- Dimensions..... See opposite.

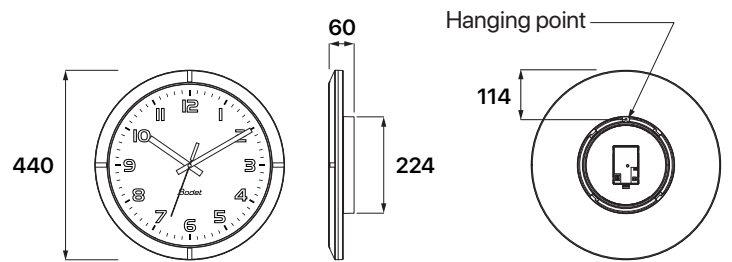


	DCf radio	1 x 1.5V LR6 battery	-5°C to +50°C	-10°C to +50°C	2.3 kg
	DHF radio	2 x 1.5V LR6 batteries	-5°C to +50°C	-10°C to +50°C	2.5 kg
	DHF radio ELV	6 to 16V $\overline{=}$	-5°C to +50°C	-20°C to +50°C	2.7 kg
	DHF radio mains	230V \sim	-	-20°C to +50°C	2.7 kg

*230V \sim power supply only via a time reset box (ref: 933 007).

**Power Over Ethernet (PoE)

	Movement	Power supply	Operating temperature		Weight
			Indoor	Outdoor	
	Quartz 1.5V	1 x 1.5V LR6 battery	-5°C to +50°C	-10°C to +50°C	2.1 kg
	Quartz mains	230V \sim *	-10°C to +50°C	-10°C to +50°C	2.1 kg
	24V minute impulse	-	-10°C to +50°C	-20°C to +50°C	2.5 kg
	24V second impulse	-	-10°C to +50°C	-20°C to +50°C	2.5 kg
	½ Minute serial impulse	-	-10°C to +50°C	-20°C to +50°C	2.5 kg
	AFNOR ELV	6 to 24V $\overline{=}$	-5°C to +50°C	-20°C to +50°C	2.1 kg
	NTP/ETH	PoE** Class 0, 2W maximum	-5°C to +50°C	-20°C to +50°C	2.1 kg
	NTP/Wi-Fi ELV	6 to 24V $\overline{=}$	-5°C to +50°C	-	2.1 kg
	NTP/Wi-Fi mains	100-240V \sim	-5°C to +50°C	-	2.1 kg
	NTP/Wi-Fi batteries	2 x 1.5V LR14 batteries	-5°C to +50°C	-	2.1 kg



Dimensions in mm



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MOVEMENTS AND SYNCHRONISATION

Movement	Description
Quartz 1.5V	The clock is completely autonomous, since it receives time information from its own time base.
Quartz mains	Slave clocks are connected to a BT radio synchronisation box which sends electrical impulses every minute.
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.
½ Minute serial impulse	Slave clocks are connected in series 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 comprehensive time message every second: the receivers are automatically and rapidly set to the correct time as soon as they are connected to the clock line. The AFNOR coded time emits no interference and is insensitive to other electrical interference. ELV consumption: 10 mA (6V \Rightarrow), 8 mA (24V \Rightarrow).
NTP/ETH (Network Time Protocol)	Slave clocks are connected to the Ethernet network with PoE power supply. Time is synchronised by the time server or the master clock via the NTP protocol in unicast, multicast or DHCP mode.
NTP/Wi-Fi (Network Time Protocol)	Slave clocks are connected to the network via a Wi-Fi access point. Time is synchronised by the time server or the master clock via the NTP protocol in unicast, multicast or DHCP mode. The estimated battery life of battery-powered clocks synchronised once a day (24H) is: 6 years (HM) or 3 years (HMS).
DCF radio	The DCF radio synchronised movement provides absolute accuracy and automatic summer/winter time change.
DHF radio	Slave clocks pick up the time message and synchronise automatically. In the event of interference, they keep operating on their own time base. ELV consumption: 7 mA (16V \Rightarrow), 8 mA (12V \Rightarrow), 15 mA (6V \Rightarrow).

REFERENCES

HM Indoor	HM Outdoor	HMS Indoor	HMS Outdoor	Movement
-	-	983 1xy	984 1x1	Quartz 1.5V
-	984 2x1	-	-	Quartz mains
983 5xy	984 5x1	-	-	24V minute impulse
-	-	983 4xy	-	24V second impulse
983 6xy	984 6x1	-	-	½ Minute serial impulse
985 8xy	984 8x1	985 9xy	-	AFNOR ELV
985 Fxy	984 Fx1	985 Gxy	-	NTP/ETH
985 Wxy	-	985 Yxy	-	NTP/Wi-Fi ELV*
985 Txy	-	985 Vxy	-	NTP/Wi-Fi batteries
-	-	983 3xy	984 3x1	DCF radio
985 2xy	984 Bx1	985 3xy	-	DHF radio
985 4xy	-	985 5xy	-	DHF ELV radio
-	984 Cx1	-	-	DHF radio mains

Replace the "x" by the number corresponding to the desired dial model.

Replace the "y" by the number corresponding to the desired casing colour.

*NTP Wi-Fi mains: via a power supply unit (ref: 982 001).

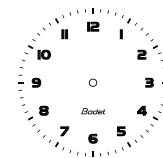
Power supply for up to 2 Wi-Fi clocks maximum.

For example:

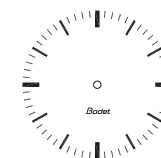
Profil 940 NTP Wi-Fi mains HM, with figures and white casing: 985 W11+ 982 001.

Dial models (x):

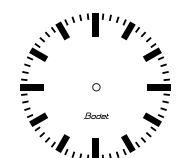
1: Figures



2: Notches



3: DIN



Casing colours (y):

1: White



2: Black



5: Aluminium





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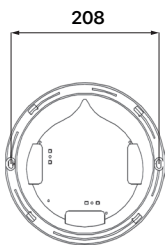
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ACCESSORIES

- 981 001.....** Double-sided bracket arm.
- 981 006.....** Locking disk.
- 981 008.....** Locking disk with 230V power supply for ELV clock.
- 981 009.....** Double-sided bracket arm with 230V power supply for ELV clock.
- 981 010.....** Single-sided bracket arm.
- 984 001.....** Double-sided bracket arm with horizontal mounting for Profil 940 Outdoor.
Incompatible with Profil 940 Outdoor DHF radio mains.
- 984 002.....** Double-sided bracket arm with vertical mounting for Profil 940 Outdoor.
Incompatible with Profil 940 Outdoor DHF radio mains.
- 938 914.....** 230V power supply with screw terminal block for ELV clock.
Power supply for up to 10 clocks maximum except for Wi-Fi models (2 clocks maximum).
- 938 916.....** 100-240V power supply with mains plug for ELV clock.
Power supply for up to 10 clocks maximum except for Wi-Fi models (2 clocks maximum).
- 982 001.....** 100-240V power supply unit for NTP/Wi-Fi clocks only.
Power supply for up to 2 Wi-Fi clocks maximum.

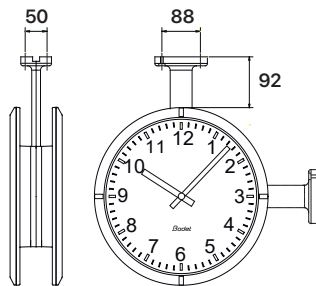
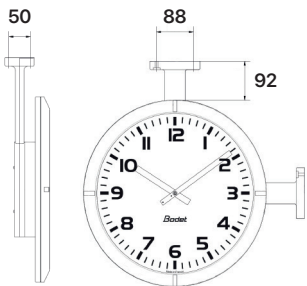
Locking disk



Once the bracket is installed, place and turn the clock clockwise to its final position. For single or double-sided mounting.

Single-sided bracket

Double-sided bracket



Dimensions in mm