Profil 930

DESCRIPTION

- Analogue clock for indoor use.
- Hour and Minute (HM) or Hour, Minute and Second display (HMS) depending on the model.
- Dial markings: figures, notches or DIN.
- Casing colours: black, aluminium paint or white.
- Optional: locking disk for wall mounting, 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).

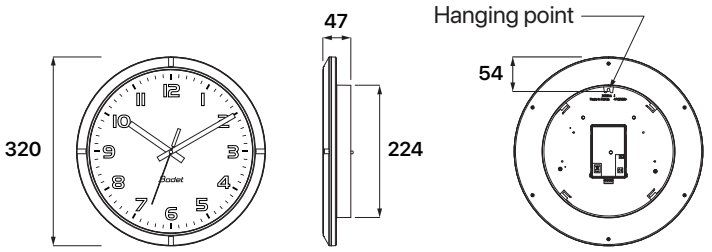
TECHNICAL FEATURES

Mechanical and electrical features

- Construction..... Casing: ABS. Glass: PMMA.
- Mounting..... Wall mounting (with or without locking disc) or on bracket arm.
- Protection index..... IP40, IK02.
- Viewing distance..... 20 m.
- Dimensions..... See opposite.

Movement	Power supply	Operating temperature	Weight
Quartz 1.5V	1 x 1.5 V 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	0.9 kg
½ Minute serial impulse	-	-10°C to +50°C	0.9 kg
AFNOR ELV	6 to 24V⎓	-5°C to +50°C	0.9 kg
NTP/ETH NTP/ETH silent	PoE* Class 0, 2W maximum	-5°C to +50°C	0.9 kg
NTP/Wi-Fi ELV	6 to 24V⎓	-5°C to +50°C	0.9 kg
NTP/Wi-Fi mains	100-240V~	-5°C to +50°C	0.9 kg
NTP/Wi-Fi batteries	2 x 1.5V LR14 batteries	-5°C to +50°C	0.9 kg
DCF radio	1 x 1.5V LR6 battery	-5°C to +50°C	0.7 kg
DHF radio	2 x 1.5V LR6 batteries	-5°C to +50°C	0.9 kg
DHF ELV radio	6 to 16V⎓	-5°C to +50°C	0.9 kg

*Power Over Ethernet (PoE)



Dimensions in mm

MOVEMENTS AND SYNCHRONISATION

Movement	Description
Quartz 1.5V	The clock is completely autonomous, since it receives time information from its own time base.
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⎓), 8 mA (24V⎓).
NTP/ETH (Network Time Protocol)	Slave clocks are connected to the Ethernet network with a 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/ETH silent (Network Time Protocol)	Slave clocks are connected to the Ethernet network with a PoE power supply. Time is synchronised by the time server or the master clock via the NTP protocol in unicast, multicast or DHCP mode. The second hand moves continuously. The main advantage of this clock is its low noise level (<20 dB at 1 metre).

Ref. 643191 Rev. Y

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⎓), 8 mA (12V⎓), 15 mA (6V⎓).

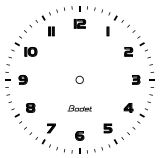
REFERENCES

Hour-Minute	Hour-Minute-Second	Movement
-	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 ELV
982 Fxy	982 Gxy	NTP/ETH
-	982 Hxy	NTP/ETH silent
982 Wxy	982 Yxy	NTP/Wi-Fi ELV*
982 Txy	982 Vxy	NTP/Wi-Fi batteries
-	981 3xy	DCF radio
982 2xy	982 3xy	DHF radio
982 4xy	982 5xy	DHF ELV radio

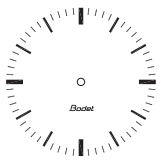
Replace the "**x**" by the number corresponding to the desired dial model.
Replace the "**y**" by the number corresponding to the desired casing colour.
*NTP Wi-Fi mains: via a power supply unit (ref: 982 001).
Power supply for up to 2 Wi-Fi clocks maximum.
For example:
Profil 930 NTP Wi-Fi mains HM, with figures and white casing: 982 W11 + 982 001.

Dial models (x):

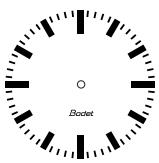
1: Figures



2: Notches



3: DIN



Casing colours (y):

1: White

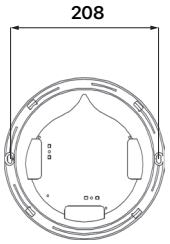
2: Black

5: Aluminium

ACCESSORIES

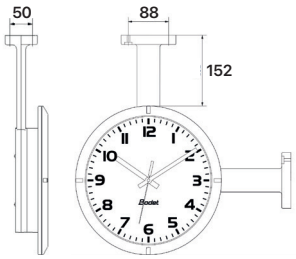
981 001.....	Double-sided bracket arm.
981 002.....	Short double-sided bracket.
981 006.....	Locking disk.
981 010.....	Single-sided bracket arm.
938 914.....	230V power supply with screw terminal block for ELV clock. Power supply for up to 10 clocks maximum except for Wi-Fi models (2 clocks maximum).
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

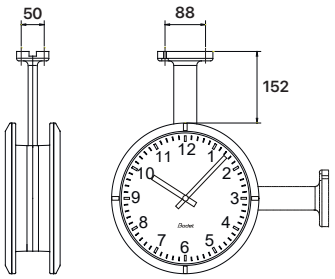


Once the bracket is installed, place and turn the clock clockwise to its final position.
For single or double-sided mounting.

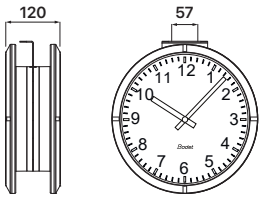
Single-sided bracket



Double-sided bracket



Short double-sided bracket



Dimensions in mm