PROFIL 940 A

DESCRIPTION

- Analogue display clock.
- Hour-Minute or Hour-Minute-Second display.
- Water-resistant ABS casing - IK02, IP 55.
- Optimal viewing distance: 35m
- Polymethacrylate protective glass.
- Dial models: arabic figures or minute notches.
- Black wall bracket in glass fibre reinforced polycarbonate.
- Mains operated or slave clock delivered pre-wired with a 5-m cable.

STANDARDS

- Standard EN 50081-1: Generic Emissions.
- Standard EN 50082-1 and 50082-2: Generic Immunity.
- Standard EN 55022 class B: Information Technology Equipment– Radio disturbance characteristics.
- Standard EN 60950: Information Technology Equipment - Safety.
- Radio Standard EN 300-220-3 and EMC Standard EN 301-489-3 for Radio Equipment.
- Standard AFNOR NFS 87-500 C.

TECHNICAL FEATURES

	Movement	Power supply	Operating temperatures	Weight
	Quartz 1.5 V	1.5V LR6 battery	- 5°C to +50°C	2.1 kg
	230V quartz	230 VAC*	- 20°C to +50°C	2.1 kg
IMPULSES	24V minute rec.		- 20°C to +50°C	2.3 kg
IMPULSES	½ minute series rec.		- 20°C to +50°C	2.3 kg
AFNOR	AFNOR TBT rec.	6 to 24 VDC	- 20°C to +50°C	2.3 kg
DCF	DCF Radio	1.5V LR6 battery	- 5°C to +55°C	2.1 kg
DHF	Radio DHF rec.	2x 1.5V LR6 batteries	- 5°C to +50°C	2.1 kg
DHF	Radio DHF 230V rec.	230 VAC	- 20°C to +50°C	2.1 kg
NTP	NTP	Power over Ethernet	- 20°C to +50°C	2.1 kg

*230V AC power supply only via a time setting control box (ref: 933007).

REFERENCES

Hour-Minute	
984 11*1A	Independent battery quartz clock
984 211A	230V Quartz clock HM
984 311A	DCF radio
984 511A	24V minute impulse clock
984 611A	½ minute serial receiver
984 811A	AFNOR TBT receiver
984 B11A	DHF battery slave clock
984 C11A	DHF 230V slave clock
984 F1*1A	NTP receiver

* The next to last figure of the reference number represents the type of dial: 1 = figures, 2 = notches.

1 = «Arabic figures»

2 = «Minute notches»

Réf.: 643D316 11/20

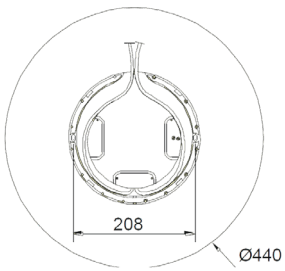
MOVEMENTS AND SYNCHRONISATION

• Battery quartz autonomous movement with second hand
The clock is completely autonomous, the time information is provided by its own time system.
• DCF radio controlled movement
The DCF radio controlled movement provides high accuracy and automatic summer/winter changeovers.
• IRIG-B/AFNOR coded time receiver
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 IRIG-B/AFNOR coded time does not transmit interference and is insensitive to other electrical interference.
• 24V minute impulse slave movement
Slave clocks are connected to a distribution line and activated through electrical impulses sent every minute by the master clock.
• 1/2 minute serial impulse slave movement
Slave clocks are connected to a distribution line and activated through electrical impulses sent every ½ minute by the master clock.
• 1.5V serial impulse slave movement (for BT radio)
Slave clocks are connected to a radio synchronisation box (BT radio) that generates electrical impulses every minute.
• DHF receiver
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 basis.
• Network Time Protocol (NTP)
Slave clocks are connected to the Ethernet network.
The time is synchronised by the time server or the master clock over the Ethernet network in unicast, multicast or DHCP mode.

Clocks with NTP, AFNOR or DHF movement have hand position control and automatic time setting.

MOUNTING ACCESSORIES

- **938 914**..... 230V power supply with screw terminal for TBT clock
- **938 916**..... 230V power supply with mains plug for TBT clock



Dimensions in mm

Réf.: 643D316 11/20