

Hour and minute hand clock

Analogue clock

Profil 960

Description :

- ▶ Indoor or outdoor illuminated and weatherproof clock with analogue display.
- ▶ Hour - minute or hour - minute - second display, depending on the model.
- ▶ ABS white casing.
- ▶ Readability 60 metres.
- ▶ Safety glass lens (polycarbonate is optional).
- ▶ Dial models: Arabic figures or minute notches.
- ▶ Models: DHF, quartz, 24V second, 24V minute, AFNOR, radio synchronised FI or NTP.
- ▶ Illumination: fluorescent tube or low power consumption LED.



Technical features:

	Movement	Power supply	Operating temperature	IP	IK	Display	Weight	Dwg
Profil 960I SF	Quartz with remote keyboard	230 V 50Hz ±10%	-25°C to +70°C	40	08	HM	6.5kg	1
	24V minute		-25°C to +70°C	40	08	HM	6.5kg	1
	AFNOR TBT	6 to 24 V AC or DC	-25°C to +70°C	53	08	HM	15 kg	2
	AFNOR + radio FI	230 V 50Hz ±10%	-25°C to +70°C	53	08	HM	15.2 kg	2
	NTP	PoE	- 5°C to +50°C	40	08	HM	6.5 kg	1
	DHF	2x1,5V LR6 batteries	- 5°C to +50°C	40	08	HM	6 kg	1
	DHF TBT	230 Volt 50Hz ±10%	- 5°C to +50°C	40	08	HM	6.5 kg	1
Profil 960E SF	Quartz with remote keyboard	230 V 50Hz ±10%	- 25°C to +70°C	53	08	HM	15.2 kg	2
	Quartz with remote keyboard Led	230 V 50Hz ±10%	- 25°C to +70°C	53	08	HM	14 kg	2
	24V minute	230 V 50Hz ±10% *	-25°C to +70°C	53	08	HM/HMS	15.2 kg	2
	24V minute Led	230 V 50Hz ±10% *	-25°C to +70°C	53	08	HM/HMS	14 kg	2
	AFNOR + radio FI	230 V 50Hz ±10%	-25°C to +70°C	53	08	HM/HMS	15.2 kg	2
	AFNOR + radio FI Led	230 V 50Hz ±10%	-25°C to +70°C	53	08	HM/HMS	14.7 kg	2
Profil 960E DF	Quartz with remote keyboard	230 V 50Hz ±10%	- 25°C to +70°C	43	08	HM	24kg	3
	Quartz with remote keyboard Led	230 V 50Hz ±10%	- 25°C to +70°C	43	08	HM	24.4 kg	3
	24V minute	230 V 50Hz ±10% *	- 25°C to +70°C	43	08	HM/HMS	24kg	3
	24V minute Led	230 V 50Hz ±10% *	- 25°C to +70°C	43	08	HM/HMS	24.4kg	3
	AFNOR + radio FI	230 V 50Hz ±10%	-25°C to +70°C	43	08	HM/HMS	24kg	3
	AFNOR + radio FI Led	230 V 50Hz ±10%	-25°C to +70°C	43	08	HM/HMS	25kg	3

SF= single sided, DF= double sided, I=Indoor, E=Outdoor, HM = hour-minute, HMS= hour-minute-second.

Drawing: other side of the page.

* for clocks with synchronous second hand.



Hinged arm system for Profil 960



LED-illumination detail

Consumption	SF	DF
LED lighting	20W	28W
Fluorescent lighting	51W	

Profil 960 references

	960 I SF	960E SF	960E SF led	960E DF	960E DF led
▶ ½ minute 24V	933 11*1				
▶ Quartz with remote keyboard	933 211	934 211	934261	934 216	934266
▶ 24V minute	933 511	934 511	934561	934 516	934566
▶ AFNOR + FI HM	933 911	934 911	934961	934 916	934966
▶ AFNOR + FI HMS					
		934 011	934061	934 016	934066
▶ AFNOR TBT	933 811				
▶ DHF	933 B11				
▶ DHF 230 VAC	933 C11				
▶ NTP	933 D11				

* The next to last figure of the reference corresponds to the dial type: 1= figure, 2= notch, 3=DIN.
Example : 933111= figure dial, 933121=notch dial.

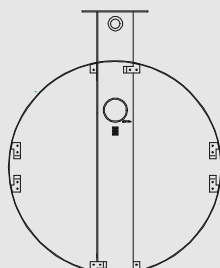


Analogue clock

Analogue clock

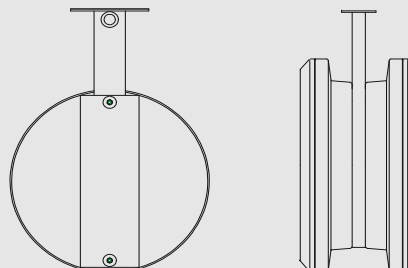
Profil 960

Double sided bracket for clock corresponding to drawing 1



A double sided clocks consist of 2 single sided clocks + a double sided bracket.

Double sided bracket for clock corresponding to drawing 2



Movements and synchronisation:

Quartz movement with remote keyboard

- ▶ The clock is totally independent. The time information comes from its own time basis.

DHF (norm NF S 87-500C)

- ▶ 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.

Radio FI

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

AFNOR + radio FI

- ▶ The coded time distribution consists in transmitting a complete time message each second: the setting on time of the receivers is realised automatically and speedily as soon as they are connected on the clock line.
- ▶ The AFNOR coded time does not transmit interference and is insensitive to other electrical interference.
- ▶ The radio synchronisation permits to display the time with perfect accuracy and to make automatically summer/winter time changeover.

24V minute impulse

- ▶ The receiver clocks are connected to a distribution line and activated by means of electrical impulses transmitted every minute by the master clock.

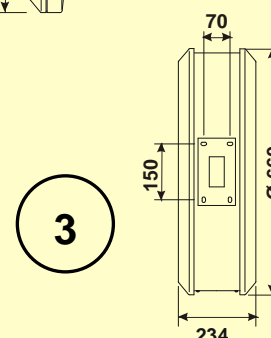
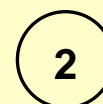
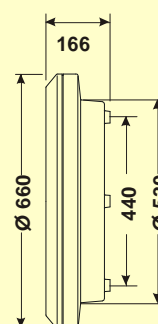
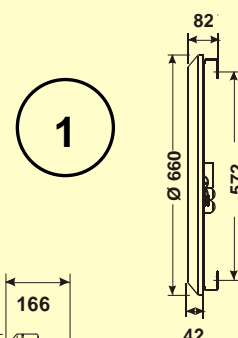
NTP

- ▶ The slave clocks are connected to an Ethernet network and synchronised by an NTP server.

Norms (depending on the models):

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

Dimensions in mm



Mounting Accessories:

- | | |
|---|---------|
| ▶ Double sided bracket corresponding to drawing 2 | 933 001 |
| ▶ Double sided bracket corresponding to drawing 1 | 933 003 |
| ▶ Back ring for Profil 960i | 933 004 |
| ▶ Back casing + hinged arm system for Profil 960i | 933 005 |
| ▶ Remote keyboard | 933 006 |
| ▶ BT radio FI 230V | 933 010 |
| ▶ BT radio DCF 230V | 933 011 |

