

Technical leaflet

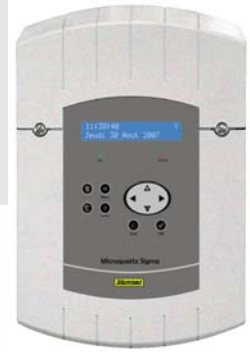
Master clock

Mic Sigma P

Rack version



Wall-mounted version



Wire or wireless time distribution and relay programming.

Master clock with programmable circuits, control of clock network, relays and bell.

PC software programming and USB key transfer.



Description :

- ▶ Synchronisable via GPS, FI or DCF antenna.
- ▶ 3 programming circuits with week mode, holiday or special day mode for the activation of bells and other systems such as heater, air conditioning, lighting, alarms access control, etc...
- ▶ Automatic resetting of time distribution after power shortage.
- ▶ Clock synchronisation with wired or DHF wireless coded time signals.
- ▶ Programming through PC software and data transferring through USB key.
- ▶ Automatic summer/winter changeover.
- ▶ Time distribution and relay/bell activation through radio DHF signal.

Technical features :

- ▶ ABS casing for wall-mounted or aluminum casing for 19" rack (1U height).
- ▶ Power and alarm led indicators.
- ▶ Keyboard with sensitive keys.
- ▶ Accuracy : ± 0.1 s/day at 20-25°C (adjustable drift compensation)
- ▶ Absolute accuracy with GPS or radio antenna.
- ▶ Operating temperature : 0 to +50°C.
- ▶ Retro illuminated display with 2 lines of 24 characters each readable at one meter.
- ▶ LCD display : hour - minute - second - date.
- ▶ Permanent saving of programming and time.
- ▶ Programming protected by access code.
- ▶ Circuits with 3 relays, power cut: 1A / 240V.
- ▶ Clock output protected against shortcuts and overload.
- ▶ Protection level: IP41.
- ▶ Drilling indications:

Norms :

- ▶ FI/DCF signal norm: NFC 90002.
- ▶ AFNOR norm : NFC 87500A.
- ▶ Applicable norms: EN 60950 - EN 55022 - EN 550024.

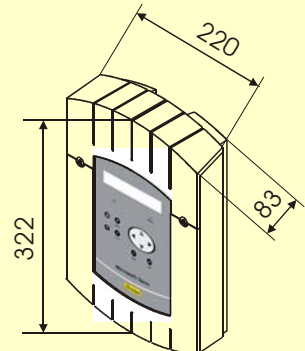


1U rack version



Weight : 2.8 Kg

Wall mounted version



Weight : 2.4 Kg
Wall mount through 2 screws

References:

- ▶ Mic Sigma P 120/240V
- ▶ Mic Sigma P 24VDC
- ▶ FI radio antenna
- ▶ DCF radio antenna
- ▶ GPS antenna
- ▶ DHF transmitter
- ▶ DHF repeater

	wall	rack
	907 431	907 433
		907 434
		907 025
		907 026
		907 035
		907 511
		927 240



Réf. 643321 B

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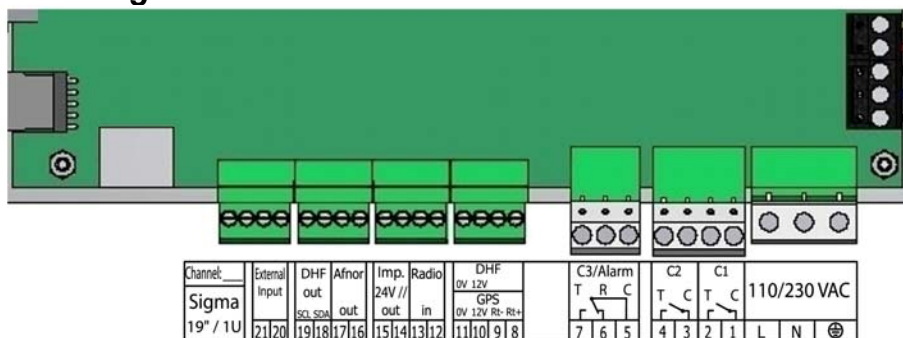
Master clock

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Electrical connections :

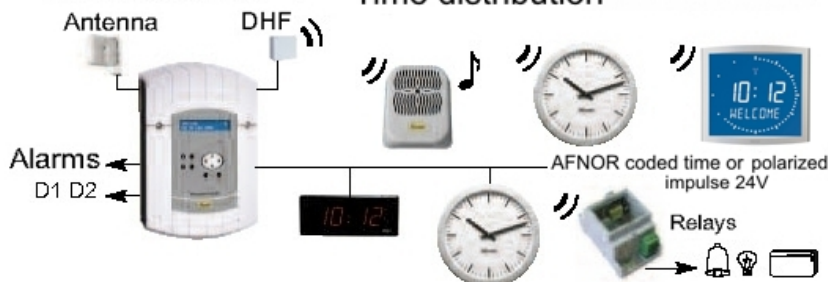
- ▶ Power : 24V DC or 240V $\pm 10\%$ 50/60Hz, 35W.
- ▶ Inputs / outputs :
 - 1 polarised impulse output (24V minute / ½ minute / second, 1A) or TBT 24V,
 - 1 DHF output for DHF transmitter,
 - 1 AFNOR coded time output
 - 1 external contact input.
 - 1 USB slot.
 - 3 relays for D1D2 impulses (2 SPNO relays) and alarm (1 SPDT) or for circuit programming.

Wiring :



- ▶ The C1 and C2 circuits (SPNO relays) control the D1D2 impulses or heater, air conditioning...
- ▶ The C3 circuit (SPDT relay) is assigned to alarm output or controls heater, air conditioning...
- ▶ The settable time output (14-15) allow time distribution in minute, ½ minute or second 24 V (1A) or a TBT power generator 24V.
- ▶ The AFNOR output (16-17) allows the synchronisation of approximately 50 clocks over 30km.
- ▶ The DHF output (18-19) when connected to a DHF transmitter can control the wireless relay controllers for lighting, air conditioning, etc, the wireless chimes and the wireless clocks.
- ▶ The contact input (20-21) allows remote control of the C1, C2 or C3 circuit from an external contact.

Mic SIGMA - P - Time distribution



DHF transmitter



Reference : 907 511

Wireless CA 15 chime DHF



Reference : 907 521

Wireless relay controller DHF



Reference : 907 523

Options :

- ▶ Wireless CA 15 chime 907 521
- ▶ 1-relay indoor controller 907 523
- ▶ 1-relay outdoor controller 907 524
- ▶ 1-relay wall embedded controller 907 525

