

Master clock programmer

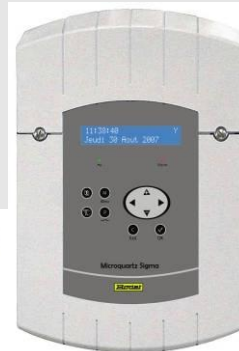
Master clock

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.

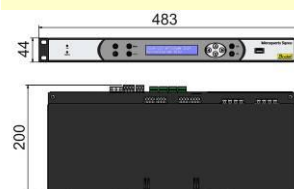
Technical features:

- ABS casing for wall-mounted or aluminum casing for 19" rack (1U height).
- Power and alarm led indicators.
- Keyboard with sensitive keys.
- Time base accuracy: 0.1 s/day at 25°C and 0.2 s/day maximum from 0 to 40°C (Temperature compensated quartz oscillator TCXO).
- Absolute accuracy with GPS or radio antenna.
- Retro illuminated display with 2 lines of 24 characters each readable at one meter.
- Operating temperature: 0 to +50°C.
- 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 short-circuits and overloads.
- Protection level: IP41.
- Drilling indications: 

Norms:

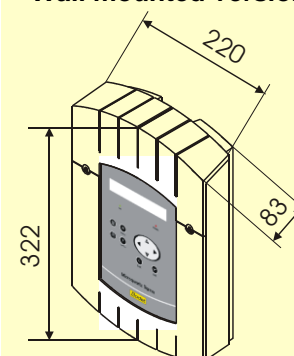
- Applicable norms: EN 60950 - EN 55022 - EN 55024 - EN 301-489-3 - EN 300 -220-3.
- FI/DCF signal norm: NFC 90002.
- IRIG.B / AFNOR norm: NFS 87500A.
- AFNOR/DHF norm: NF S 87-500 C (fixed channel, 869.525 MHz at 500 mW).

1U rack version



Weight: 1.4 Kg

Wall mounted version



Weight: 1 Kg
Wall mount through 2 screws

References:

- Sigma P 120/240V
- Sigma P 24VDC
- Sigma P 36/72VDC
- FI radio antenna
- DCF radio antenna
- GPS antenna
- DHF transmitter
- DHF repeater

wall	rack
907 431	907 433
907 432	907 434
	907 436
	907 025
	907 026
	907 037
	907 511
	927 240



Réf. 643321 G

Master clock programmer

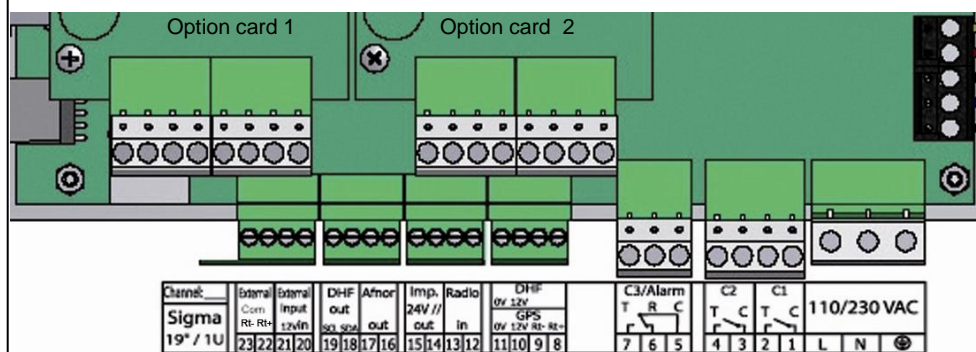
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Electrical connections:

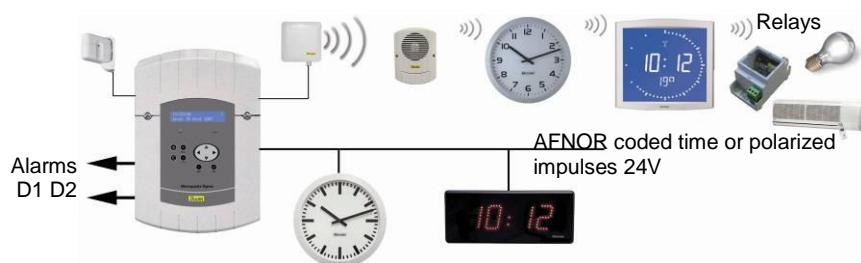
- Power: 24V DC (minimum 35W), or 36/72VDC (50W) or 100/240V $\pm 10\%$ 50/60Hz (35W).
- Inputs / outputs:
 - 1 polarised impulse output (24V // minute / $\frac{1}{2}$ minute / second, 1A), SR2-59 or TBT 24V,
 - 1 DHF output for DHF transmitter,
 - 1 AFNOR coded time output
 - 1 external contact input.
 - 1 USB slot.
 - 3 relays for D1D2 impulses (2 SPNO relays) and alarm (1 SPDT) or for circuit programming.
- Optional inputs / outputs:
 - 2 possible option cards among 24V // impulse, AFNOR out, AFNOR in, serial RS232/485 or relay.

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, $\frac{1}{2}$ minute or second 24 V // (1A), SR2-59 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.

SIGMA P – Time distribution



DHF transmitter



Reference: 907 511

Wireless chime DHF



Wireless relay controller DHF



Reference: 907 523

Options :

- MELODYS - Wireless chime 100 à 240VAC 907 565
- MELODYS - Wireless chime 24VDC 907 566
- 1-relay indoor controller 907 523
- 1-relay outdoor controller 907 524
- 1-relay wall embedded controller 907 525



Bodet