

DESCRIPTION

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.
- Modular design allowing the addition of 2 option cards.
- Quartz oscillator time base that can be synchronised by a ALS, DCF or GPS 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.
- Automatic summer/winter changeover.
- Programming by PC based software and upload through USB flash drive.

STANDARDS

- 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).

GENERAL FEATURES

- **LED indicators**..... Power and alarm.
- **Quartz**..... TCXO (temperature compensated crystal oscillator).
- **Typical accuracy**..... 0.1 sec/day to 25°C and maximum 0.2 sec/day of 0 to 40°C.
- **Absolute accuracy**..... 50ms with radio antenna ALS or DCF, 2ms with GPS antenna.
- **Backlit LCD display**..... 2 lines of 24 characters.
- **LCD display**..... Hour - minute - second - date.
- **Backup**..... Of programming in flash memory and a Lithium battery keeps the internal clock running.
- **Access to the programming**..... Protected by access code.
- **Circuits**..... 3 relays, power cut: 1A / 240V.
- **Protection**..... Outputs protected against short-circuits and overloads.

MECHANICAL FEATURES

- **Construction**..... ABS casing for wall-mounted or aluminum casing for 19" rack (1U height).
- **Protection index**..... IP 41.
- **Operating temperature range**..... 0° to +50°C.
- **Keypad**..... Sensitive keys.

1U rack version



Weight : 1.4 Kg

Wall-mounted version



Weight: 1.2 Kg - Wall mounting with 2 screws.

Mounting holes

Dimensions in mm

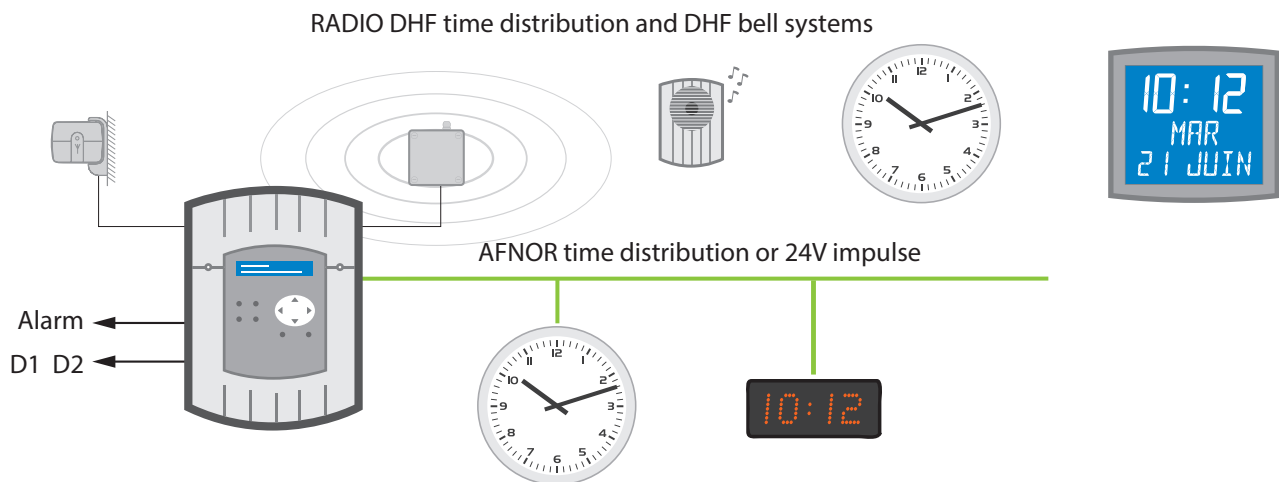
ELECTRICAL FEATURES

- Power supply..... 24VDC (25W).
36-72VDC (50W).
100-240VAC ; 0.8 - 0.55A.

I/O CONNECTIONS

- Sigma P inputs/outputs.....
 - 1 polarised impulse output (24V // min / ½ min / second, 1A), SR2-59 or TBT 24V,
 - 1 DHF output for radio transmitter,
 - 1 IRIG B/AFNOR coded time output,
 - 1 external contact input,
 - 1 USB port,
 - 3 relays (programmable as D1D2 impulses, alarm or circuits).

SCHEMATIC DIAGRAM



REFERENCES

Wall	Rack		
907 431	907 433	Sigma P 100-240VAC
907 432	907 434	Sigma P 24VDC
	907 436	Sigma P 36-72VDC

ACCESSORIES

- 907 025..... ALS radio antenna
- 907 026 DCF radio antenna
- 907 037 GPS antenna
- 907 512 DHF transmitter
- 927 241 DHF secondary transmitter
- 907 544 2-button Lockdown Alert System box for external inputs

OPTION CARDS

References	Description
• 907 531	1x 24V // impulse, minute or second output
• 907 533	3x AFNOR outputs
• 907 534	2x ASCII RS232/422/485 outputs
• 907 535	3x programming relay (1 relay R/T, 2 relays T)
• 907 536	1x AFNOR synchronisation input
• 907 537	1x Sigma Sound module
• 907 539	2x 20-50V serial impulse outputs
• 907 541	2x 24V serial impulse outputs
• 907 542	3x external inputs