

## 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 an ALS, DCF, GPS, GLONASS or Galileo 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.

## COMPLIANCE

- Directives : LVD 2014/35/EU, EMC 2014/30/EU.
- 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**..... TCX0 (temperature compensated crystal oscillator).
- **Typical accuracy**..... 0.1 sec/day to 25°C and maximum 0.2 sec/day of 0 to 50°C.
- **Absolute accuracy**..... 50ms with radio antenna ALS or DCF, 2ms with GPS, GLONASS or Galileo 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

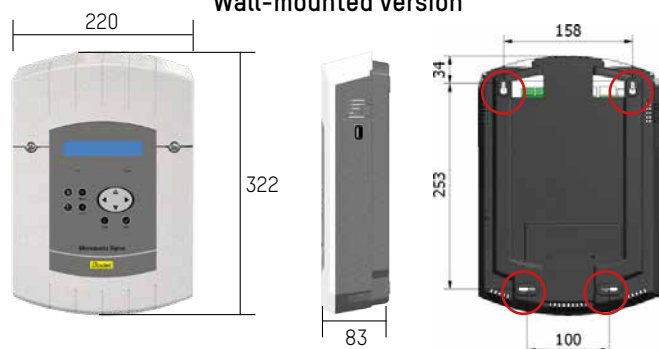
- **Construction**..... ABS casing for wall-mounted or aluminum casing for 19" rack (1U height).
- **Protection index**..... IP 41.
- **Operating temperature range**..... 0° to +50°C.
- **Keypad**..... Sensitive keys.

1U rack version



Weight : 1.4 Kg

Wall-mounted version



Weight: 1.2 Kg - Wall mounting with 4 screws.

Mounting holes

Dimensions in mm

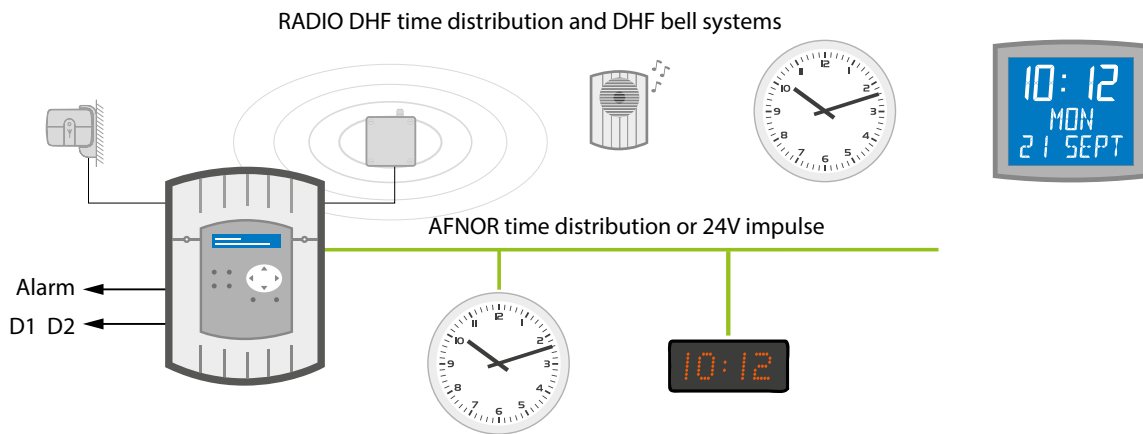
## ELECTRICAL FEATURES

- Power supply..... 20,4-28,8V $\equiv$  (25W).  
100-240V $\sim$ ; 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



## MASTER CLOCKS

Wall	Rack	
907 431	907 433	..... Sigma P 100-240V $\sim$
907 432	907 434	..... Sigma P 20,4-28,8V $\equiv$

## ACCESSORIES

- 907 025 ..... ALS radio antenna
- 907 026 ..... DCF radio antenna
- 907 034 ..... GPS + GLONASS antenna
- 907 043 ..... Galileo antenna
- 907 044 ..... GLONASS antenna
- 907 047 ..... GPS antenna
- 907 512 ..... DHF transmitter
- 927 241 ..... DHF secondary transmitter
- 907 544 ..... 2-button Lockdown Alert System box for external inputs

## OPTION CARDS

- 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