

SIGMA EXTENS : extension module

The **SIGMA EXTENS** can extend the SIGMA MOD optional card capacity by 4 units (total of 8 optional cards).



SIGMA SWITCH : changeover module

The **SIGMA SWITCH** controls the alarm output of the main master clock. In case of failure, the SIGMA SWITCH sends all outputs from the main to the secondary master clock.



SIGMA SOUND: Tone generator

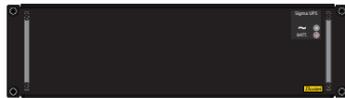
The **SIGMA SOUND** module allows to broadcast audio messages or melodies through an existing PA system. Aux output, SD card reader, 16 pre-recorded melodies.



Power supply units:

SIGMA UPS rack

Uninterruptible power supply
24V DC - 5Ah battery with charger
Rack 3U - 9Kg



SIGMA UPS wall

Uninterruptible power supply
24V DC -
5Ah battery with charger
Wall mounted - 8 Kg

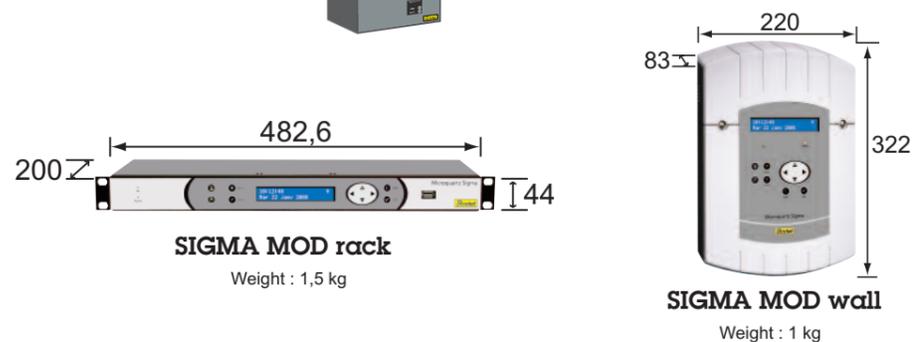


SIGMA POWER Rack

External power supply
110/230V 24VDC
2 x 100W - 2 kg



Dimensions in mm



Technical features

- 1 Ethernet port 10/100 Base-T on RJ-45 connector.
- 3 relays for D1D2 impulses, alarms or circuit programming.
- 1 dry contact input.
- Automatic detection of synchro failure with switch over on the other synchro inputs NTP , AFNOR , GPS , radio
- 1 AFNOR output , 1 output for DHF transmitter
- 1 impulse output 24V minute or second 0.5A
- Power: 110/230V or TBT 24V or TBT 36/72V (rack).
- Time base accuracy: ± 0.1 s/day typical (1 ppm); temperature compensated quartz oscillator (TCXO).
- Absolute accuracy with GPS: ± 5 ms.
- Integrated protection of the outputs against short-circuits and overloads.
- Permanent saving of settings.



Time Centre NTP Client/Server



B.P. 1
49340 Trémentines
FRANCE

Tel + 33 2 41 71 72 00
Fax +33 2 41 71 72 02
www.bodet.com

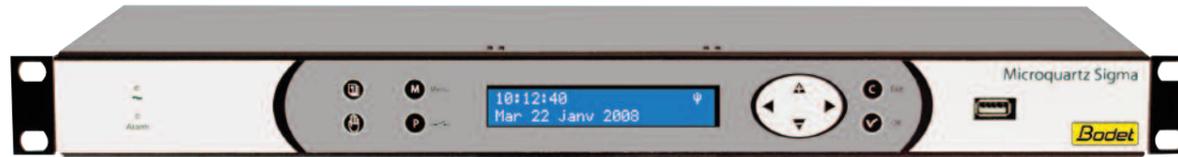


REF : 653311 C/0112



The SIGMA MOD is a time centre which combines in a single device the features of a NTP server and a master clock. It supplies a reliable and precise time reference to computers, clocks and automatic devices of the company.

SIGMA MOD



Programming and configuration by PC software and transfer via Ethernet network or USB key.

Synchronisation

- NTP (client),
- Radio FI 162 or DCF 77,
- GPS,
- AFNOR.

Time distribution:

- 24 V impulse (mn, 1/2mn or sec),
- AFNOR,
- DHF,
- D1D2 230V (tower clock).

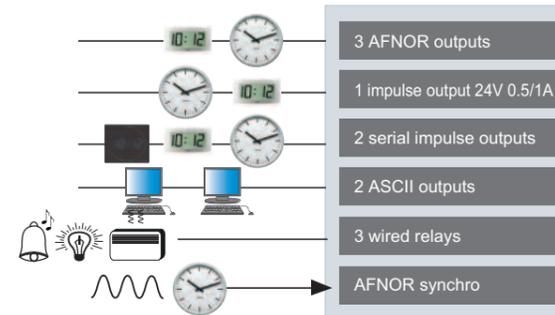
Programming:

- wired relay
- wireless relay
- wireless sounder

Peripherals:

- wireless transmitter
- wireless relay
- wireless sounder
- wireless analogue or digital clocks

The SIGMA MOD accepts 4 optional cards among:



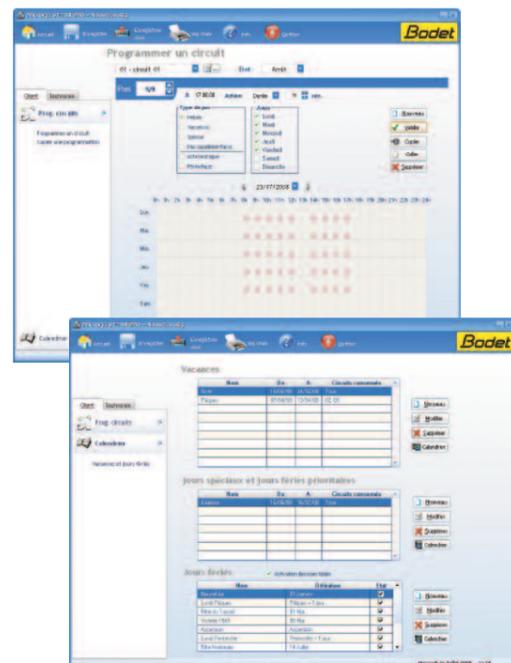
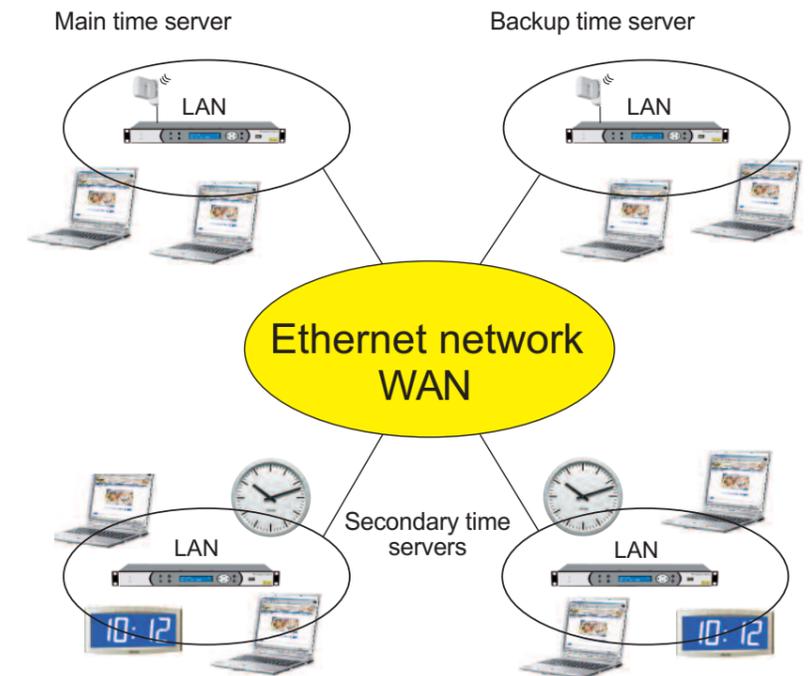
*(2 cards for SIGMA MOD wall)

Main benefits

- The SIGMA MOD is an upgradeable product including a NTP time server and a master clock.
- NTP client and/or server in broadcast, multicast or unicast mode.
- Wireless (DHF) and wired time distribution.
- Programming and setting via Windows PC over the LAN.
- Time synchronisation with automatic switching between radio and NTP inputs.
- Circuit programming in various modes: weekly, bank day, holidays, special day, astronomic or periodic.
- Circuit controlled through wireless or wired connection.
- Modularity: optional cards can be added.

Alarm management :

- Dry contact for visual or audible alarm annunciation.
- SNMP traps
- E-mail to 3 addresses



Programming software

- All functions and programming accessible from a PC.
- **ON LINE mode** to communicate with the time centre in real time via IP.
- Programming backup or transfer by computer file.

Simple and user friendly interface

- programming, manual or automatic activation of the relays.
- Programming of holidays, special day periods, time outputs and summer/winter changeover.
- Management and display of alarms.

