



Synchronise every moment

For an accurate, reliable and secure time

Time server: Netsilon DIN

Bodet

www.bodet-time.com

MADE IN FRANCE

DESCRIPTION

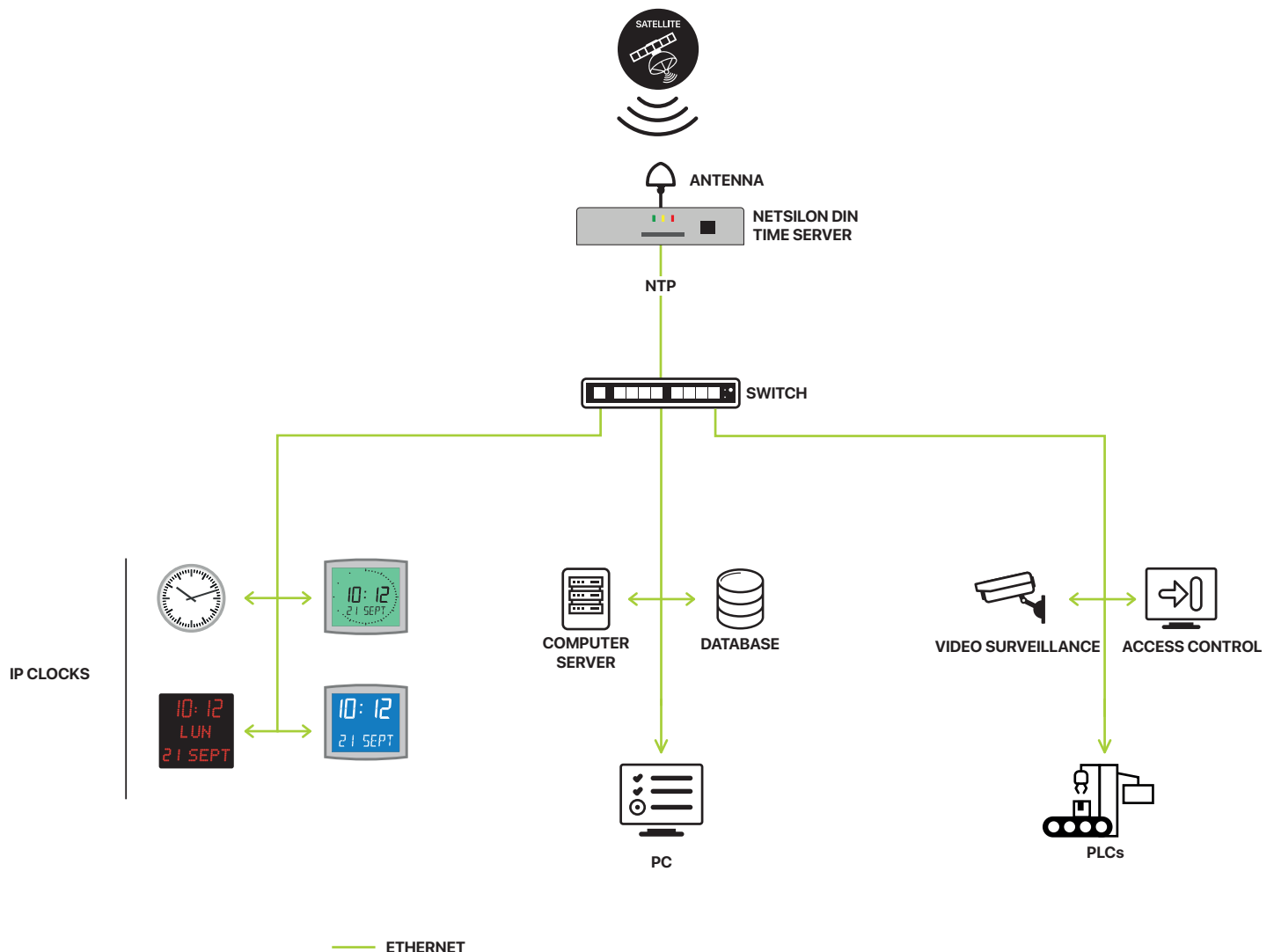
- Netsilon DIN is an ultra compact and robust time server, providing accuracy and security for synchronisation of IT networks, especially as part of industrial applications.
 - NTP time server with a built-in TCXO internal oscillator.
 - Configuration and supervision via an ergonomic and user-friendly web interface.
 - Design offering several mounting options: on DIN rail or in a 19" 1U rack-mountable chassis with optional brackets.
 - Alarm supervision in the form of Syslog, SNMP (v1/v2c/v3) or email.



COMPLIANCE

- Directives: LVD 2014/35/EU, EMC 2014/30/EU.

INSTALLATION EXAMPLE





Synchronise every moment

For an accurate, reliable and secure time

Time server: Netsilon DIN

Bodet

www.bodet-time.com

MADE IN FRANCE

TECHNICAL FEATURES

Reference signals

- Inputs (only 1 allowed)..... GPS.
NTP.
ALS, DCF.
- Output..... NTP.

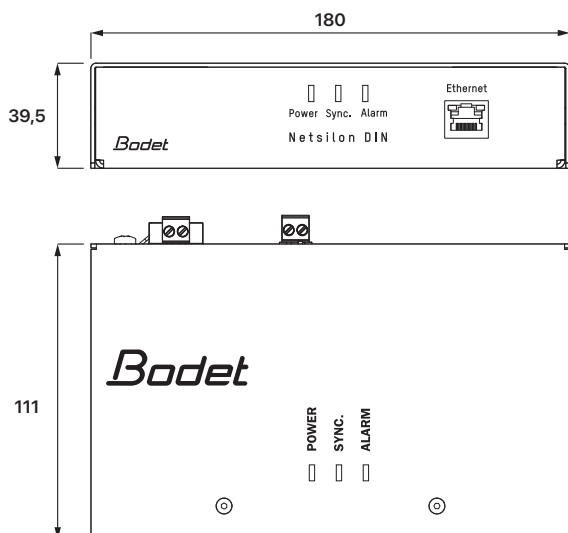
Specifications

Typical values of TCXO quartz

Accuracy (at 25°C)	$\pm 1 \cdot 10^{-6}$ max.
Frequency stability (From -40°C to +85°C)	$\pm 1.5 \cdot 10^{-6}$
Holdover (after 24h)	10 ms

Mechanical features

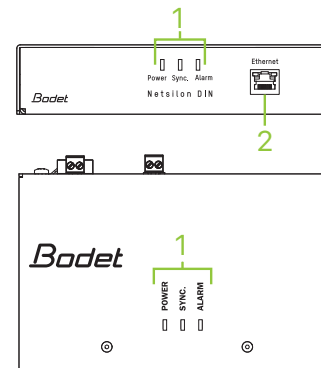
- Construction..... Metal casing for mounting on a DIN rail or in a 19" 1U rack-mountable chassis via optional brackets.
- Operating temperature..... -20°C to +50°C (Fanless cooling).
- Storage temperature..... -20°C to +70°C.
- Operating relative humidity..... Max. 90% non-condensing.
- Storage relative humidity..... 10% to 85%.
- Protection index..... IP31.
- Weight..... 455g.
- Dimensions..... See below.



Interface and connections

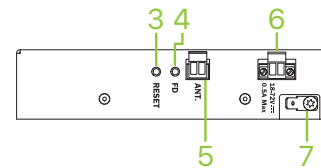
Front panel / above

- 1 Status LEDs.
- 2 Network port.



Rear panel

- 3 Restart button (RESET).
- 4 Return to factory configuration button (FD: Factory Default).
- 5 Connection of the synchronisation antenna.
- 6 DC power supply terminal block (2-pin plug connector).
- 7 Functional protective earth.



Electric features

- Power supply..... Standard: 18-72V $\equiv$ on a screw terminal block.
Option: wall 230V~ 50-60 Hz adapter or DIN rail.
- Max consumption..... 8W.
- Max. current..... 230V~ : 0.1A
18-72V $\equiv$: 0.5A (18V)

Communication

- Network port..... RJ45, 10/100 BASE-T.



Synchronise every moment

For an accurate, reliable and secure time

Time server: Netsilon DIN

Bodet
www.bodet-time.com

MADE IN FRANCE

Network features

Protocols

- NTPv4..... RFC 5905.
Unicast, multicast, broadcast.
- Maximum number of NTP requests per second..... 5,600.
- Maximum number of NTP clients (period of 64s, burst mode inactive)..... 358,400.
- SNTPv4..... RFC 4330.

Communication

- HTTP/HTTPS..... Management of security certificates (HTTPS).
- SSH..... SSH v2. Authentication and encryption.

Management

- IP..... IPv4, IPv6: Dual stack.

Services

- DHCP..... DHCPv4, DHCPv6.
- SMTP..... Mail forwarding.

Supervision

- Alarm..... SNMP traps and email.
- SNMP..... v1, v2c, v3.
- Syslog..... Event log services on UDP protocol.

Security features

- Enabling/disabling protocols.
- Protection by single authentication (login + password).
- TLS: securing exchanges via computer network.
- FTP Secure, SCP: secure file transfer via a SSH session.
- Flash memory backup of configuration settings.
- Firmware update via FTPS or SCP.

REFERENCES

- 907 800..... Netsilon DIN DC (GPS time input).
- 907 801..... Netsilon DIN DC (NTP time input).
- 907 802..... Netsilon DIN DC (ALS-DCF time input).

ACCESSORIES

- 907 025..... Bodet ALS synchronisation antenna.
- 907 026..... Bodet DCF synchronisation antenna.
- 907 048..... Bodet GPS-DCF synchronisation antenna.
- A000880..... 230V~ 50-60 Hz power supply on DIN rail.
- A000881..... 230V~ 50-60 Hz power supply wall mounting (European plug).
- A000882..... Size-adjustable brackets in 19" 1U format.
- A000883..... Vertical DIN rail mounting adapter kit.

230V~ power supply, wall mounting

230V~ power supply, DIN rail

