



Time management

Synchronising • Distributing • Displaying time

Secure multi-constellation GNSS antenna

Bodet

www.bodet-time.com

MADE IN FRANCE

PRESENTATION

- Multi-constellation antenna offering protection against interference attempts.
- Anti-spoofing and anti-jamming functions due to the design of the antenna and the implementation of advanced algorithms.
- Connection to the Netsilon 9 or Netsilon 11 time server with an Ethernet-type cable.
- Operation indicated by a red LED visible under the antenna.

COMPLIANCE

- Directives : EMC 2014/30/EU, LVD 2014/35/EU, RED 2014/53/EU.

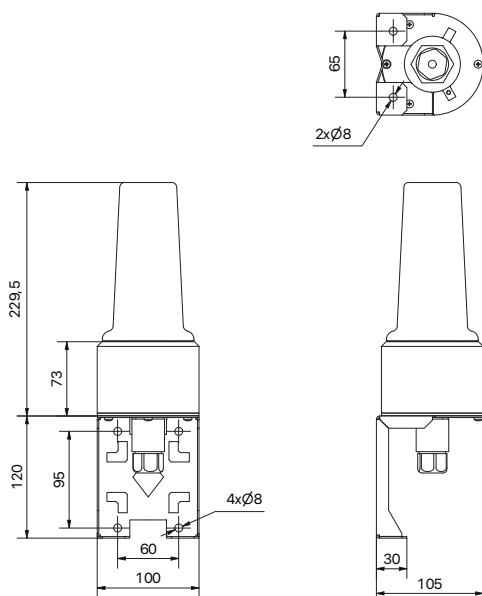
RECOMMANDATION(S)

- Installation in a location free from sources of interference, with a clear view of all points in the hemisphere. Preferably on the side of a building, free from any obstacles blocking the view of the sky.

TECHNICAL FEATURES

Mechanical features

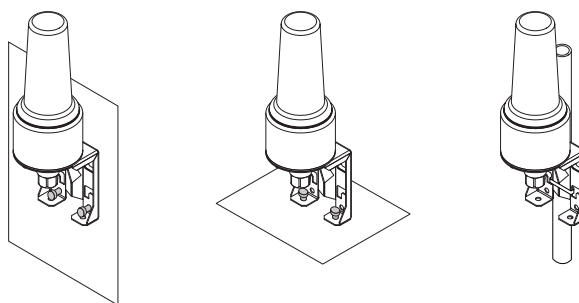
- Construction..... Robust plastic dome.
Mounting bracket in painted steel (white).
- Operating temperature..... -30°C to +70°C.
- Storage temperature..... -40°C to +85°C.
- Humidity..... 0 to 95%, non condensating.
- Protection index..... IP67, IK04.
- Weight..... 1 kg (with mounting bracket).
- MTBF..... > 80 000 hours.
- Connections..... 1xRJ45, hermetic connector.
- Dimensions..... See below.



Dimensions in mm



Examples of installations :



Electrical features

- Receiver..... 184 channels.
GPS L1/L2, GLONASS G1/G2,
Galileo E1/E5, BeiDou B1/B2.
Double frequency.
- Coldstart..... Maximum 12.5 minutes for
synchronisation.
- Hotstart..... 1 second.
- Constellations selection. Configuration from the time server.
- Power supply and data... Through an Ethernet cable connected to
the time server.
- Recommended cable..... Type: UV-resistant straight Ethernet cable
(in case of outdoor use)
Shielding: U/FTP minimum
Category: 5e minimum
Gauge: AWG 23/24/26 > 1200 m max,
AWG 28 > 750m max
Maximum outside Ø: 7mm
Temperature range: depending on indoor/
outdoor use.
- Maximum cable length... 1200m.

REFERENCE(S)

- 907 972..... Secure multi-constellation GNSS antenna
(Receiver + Bracket)
- 907 975..... Surge protector for GNSS antenna.
- 907 981..... GNSS antenna cable 20 m (UV-resistant).
- 907 982..... GNSS antenna cable 50 m (UV-resistant).

The antennas come with the user manual and the bracket.
The mounting screws are not included.