

DESCRIPTION

- GPS antenna for outdoor installation.
- It can be used to synchronise products which have no GPS antenna input but have a radio antenna (DCF) input.
- It simulates the signal received from a radio antenna located in Europe.
- The time transmitted is the local time, the time zone having been factory-programmed in the antenna (specify place of installation when ordering).
- The domed shape prevents the accumulation of snow, leaves, etc., which could disrupt reception of the GPS signal.
- A blue LED, visible on the side of the antenna and from below, indicates the operation of the antenna:
 - Cycle of normal operation: ON for 20 seconds, OFF ant then flashing at the 1 sec rate during 9 minutes.
 - OFF permanently if there is no power.
- Immunity to GPS rollover.



COMPLIANCE

- Directive EMC 2014/30/EU
- Directive LVD 2014/35/EU
- Directive RED 2014/53/EU

ELECTRICAL FEATURES

- **Passive antenna gain** +5 dBi.
- **Receiver** 12 L1 channels = 1575 MHz.
- **Data transmitted** NMEA 0183, transmission by current loop 4-20mA, 8 data bits, 2 stop, no parity.
- **Transmission** Every second, the ZDA time message then GGA.
- **Connection to the product to be synchronised** 1 UTP cable of 2x 0.14 mm² twisted pairs (pre-stripped 5 mm wires).
- **Power supply** 6-20 VDC (from a Sigma, Netsilon or the product to be synchronised).
- **Maximum consumption** 50 mA.

MECHANICAL FEATURES

- **Construction** White (RAL 9003) PC case, assembly by laser welding.
- **Operating temperature** -30°C to +70°C.
- **Storage temperature** -40°C to +85°C.
- **Non-condensing relative humidity level at 40°C** 0 to 95%.
- **Protection class** IP65, IK04.
- **Weight** 200 g (+ 560 g for the 20 m cable).
- **MTBF** >80,000 hours

REFERENCES

- 907 048 GPS-DCF PROG antenna.

Antennas come with a manual, a 20 m cable and a bracket. Mounting screws not included.

GPS-DCF ANTENNA

Dimensions in mm

