

## DESCRIPTION

- 3 antenna models for GPS or GLONASS or GALILEO synchronisation.
- Antenna for outdoor installation.
- The domed shape prevents the accumulation of snow, leaves, etc., which could disrupt reception of the signal.
- An orange LED means the antenna is in operation:
  - Flashes once per second when the antenna is synchronised.
  - Continuously lit when the antenna is not synchronised.
  - Unlit if there is no power.
- The LED is visible on the side of the antenna and from below.
- **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** ..... L1 = 1 575 MHz (GPS) / L1 = 1575.42 MHz (GALILEO) / L1 = 1598.0625 MHz (GLONASS).
- **Data transmitted** ..... NMEA 0183, transmission by RS485 at 4800 bauds, 8 data bits, 2 stop, no parity.
- **Transmission** ..... Every second, the ZDA time message then GGA.
- **Connection to the product to be synchronised** ..... 1 LIYY cable (2x 0.14mm<sup>2</sup> twisted pairs) pre-stripped 5mm wires. sheath PVC Ø4.8mm, color according: DIN47100. IED60332-1-2 flame retardant.  
Length: 20m (up to 300m possible, cable not supplied).
- **Power supply** ..... 6-20 VDC (from a Sigma, Netsilon or the product to be synchronised).
- **Maximum consumption** ..... 6 VDC/20 VDC: 50 mA
- **Maximum cable length** ..... 6 VDC: 25 m  
12 VDC: 300 m  
20 VDC: 700 m

## 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** ..... IP67, IK04.
- **Weight** ..... 200 g (+ 560 g for the 20 m cable).
- **MTBF** ..... >80,000 hours

## REFERENCE

- **907 047** ..... GPS antenna.
- **907 044** ..... GLONASS antenna.
- **907 043** ..... GALILEO antenna.

The antennas are delivered with the installation manual, 20-metre cable and the bracket. The mounting screws are not included.

Dimensions in mm

