16340 / 8020867-01 - Datasheet - "Quantec Mesh/RS485 Mobilfunk Konfigurationskit 2 ("Konfi-kit")"

Figure 1: QN Mesh/RS485 mobile configuration kit

The "Quantec Mesh/RS485 Mobilfunk Konfigurationskit 2 ("Konfi-kit")" is intended to be used as an interface between the Quantec beacons installed on a wind turbine / in a wind farm and the Quantec Signals Service. For connecting with the beacons the integrated RS485 or mesh radio interface can be used. The data link to Quantec Signals Service is established by mobile radio telephone service.

Key features

- Compact and mobile design
- Mesh radio and RS485 interface
- Mobile radio service
- 9 - 36 V DC supply voltage range

Provided service

- Commissioning of the visibility meter
- Configuration of Quantec beacons
- Firmwareupdate of Quantec beacons
- Reading out log files and error analysis

Technical specifications

General

Item number	SAP 8020867-01 / 16340
Conformity	CE, RoHS

Technical data

Electrical characteristics

Input voltage range	9 - 36 V DC
Nominal voltage	24 V DC
Nominal current at 24 V DC	600 mA

Physical characteristics

Dimensions (H × W x D)	413 mm x 225 mm x 103 mm
Weight	1,7 kg
IP rating	IP 66
Material	Glass fiber reinforced polyester / grey
Mounting	4 magnets

Power Supply - X1

For connecting the supply voltage plug the 2 pole jack into the socket labeled with DC In and connect the open ends to a DC power supply unit following the pinout in table 2.

Pin	Cable Core	Signal	Function
1	1 / rd	9 - 36 V	Power supply
2	2 / bu	GND	

Table 2: X1 - Supply voltage connector / Cable pinout

RS485 - X2

The RS485 connector is used to connect the configuration kit to a Quantec beacon or battery and power supply cabinet.

Pin	Cable Core	Signal	Function
1	rd	RS485 Data +	Obstacle light system interface
2	bu	RS485 Data -	
3	bk	SH	Shield

Table 3: RS485 Connector / Cable pinout

Note: Cable Core 3 (SH is also marked with a black shrink sleeving)

LAN - X3

This connector is used to connect the configuration kit with an existing network.

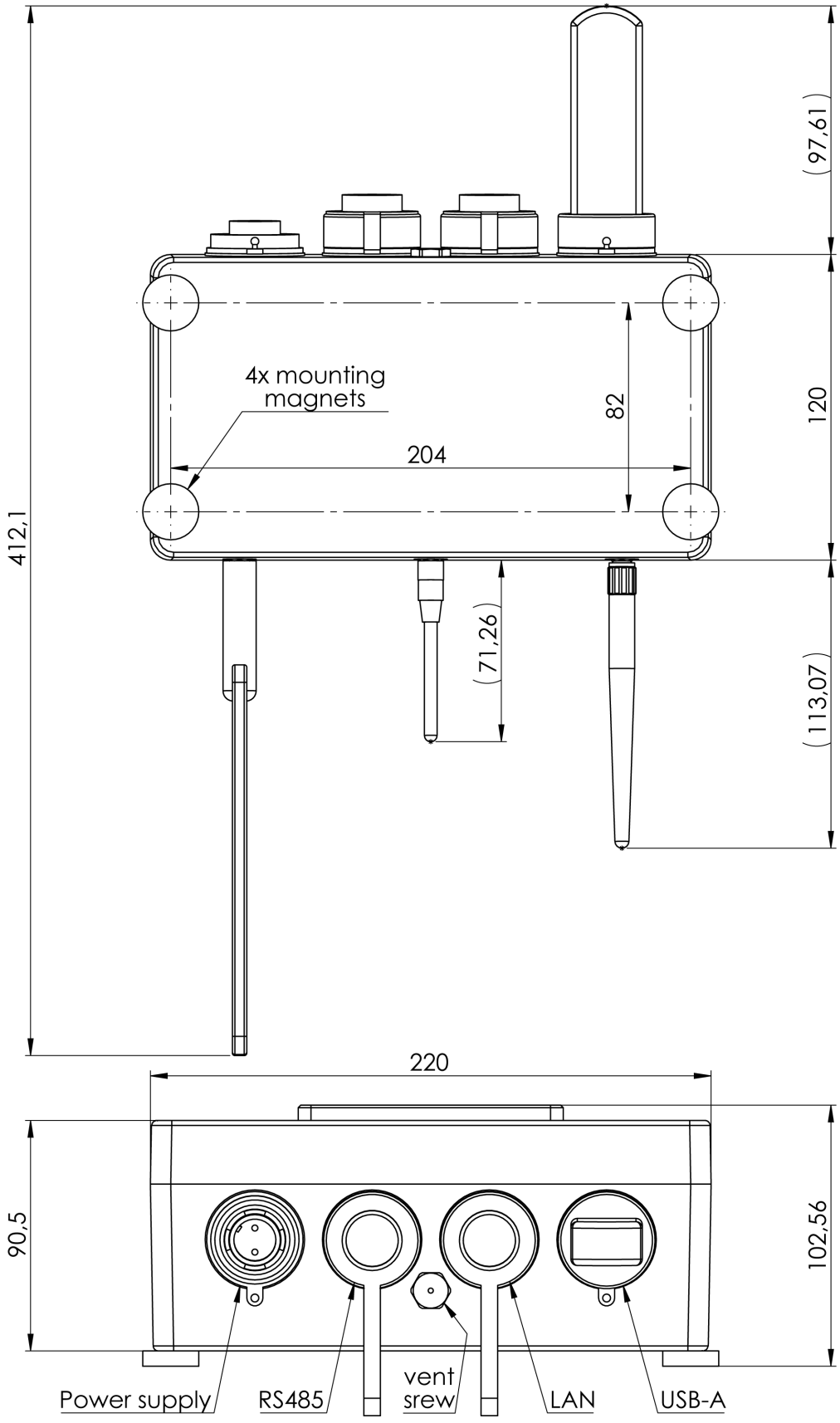
NOTICE

Contact Quantec Signals Service before connecting to the LAN port.

Terminal	Signal	Function
1	LAN	Network

Table 4: LAN connector X3

Drawing


(97,61)
4x mounting
magnets
82
120
204
412,1
(71,26)
(113,07)
220
90,5
102,56
Power supply
RS485
vent
srew
LAN
USB-A