

Nokeval Stable-Sky-Node

Data receiver and repeater

Nokeval Stable-Sky-Node is a data receiver and repeater for Nokeval Sky 433 MHz wireless data transmission technology. It receives and buffers the data packets that Nokeval Sky transmitters have sent.

Device is housed in a watertight (IP 66) and impact resistant plastic enclosure. The receiver requires 12..24 VDC power supply and is connected to a computer or PLC via RS-485.

Nokeval SCL or Modbus RTU protocol is used for data transmission between the receiver and the computer. Stable-Sky-Node has four diagnostic LEDs.

Power supply is not included.



Applications



Construction and Buildings

Product highlights and features

- Wireless data transmission
- The Stable-Sky-Node can store the data packets in two ways: Internal buffer and channels
- Watertight and impact resistant plastic enclosure



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Environment

Storage temperature	-40...+70 °C
Operation temperature	-30...+60 °C
Operation humidity	0...100 %RH
Protection class	IP66
Enclosure material	Plastic (PC+ABS)
Compatibility	Sky series devices

RS-485 serial connection

Connector	4-pin terminal block combined with power supply, terminal 3 D1, terminal 4 D0. Maximum cable length is 1000 m
Protocol	Nokeval SCL, Modbus RTU, Nopsa
Baud rates	300, 600, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200, 128000, 230400 bits/s
Modbus parity	8N1, 8N2, 8E1, 8O1

Radio

Antenna	Internal
Frequency	433 MHz
Transmitting power	max 10 dBm E.R.P.

Power supply

Connector	4-pin terminal block combined with RS 485, terminal 1 +, terminal 2 -.
Voltage	12...24 VDC
Current requirement	50 mA

Settings

Connection	RS-485 or USB
Protocol	Nokeval Meku
Software	Mekuwin for Windows