



C.Nord



WIRELESS ZONE EXTENSION MODULE

«CN-WRL»

Installation Guide

1 General Information

1.1 Wireless zone extension module «CN-WRL» (hereinafter, the CN-WRL) is designed to monitor the state of the terminal devices (hereinafter, the TD) and to control their operation modes via two-way radio communication in the 433.05 to 434.79 MHz frequency range by the protocol «CN-Contact-R» and retransmission of the received information to the control panel (hereinafter, the CP) supporting the protocol «CN-RK-485».

1.2 CN-WRL is intended for operation as a component of a system that is operated by the CP supporting the protocol «CN-RK-485».

1.3 For joint operation together with the CN-WRL as the TD, the following means can be used:

- wireless magnetic contact security detectors «CN-Magnetic»;
- wireless alarm buttons «CN-KeyFob»;
- wireless smoke detectors «CN-Smoke»;
- wireless passive infrared detectors «CN-PIR»;
- wireless glass break detectors «CN-Steklo»;
- wireless zone extension repeater «CN-Repeater» and any other devices supporting the exchange protocol «CN-Contact-R».

1.4 The CN-WRL is powered by the CP.

1.5 CN-WRL provides an indication of the following states:

- «Availability of communication with CP»;
- «Availability of communication with wireless devices».

1.6 CN-WRL is designed for continuous around-the-clock operation.

2 Specifications

2.1 Current consumption of the CN-WRL – not more than 50 mA.

2.2 CN-WRL provides:

- support of up to 31 terminal devices;
- exchange via radio communication by the protocol «CN-Contact-R»;
- exchange via wire communication bus by the protocol «CN-RK-485».

2.3 CN-WRL provides connection of antennas – main and additional («counterpoise») by means of screw terminal connections.

2.4 Dimensions of the CN-WRL – not more than 51 x 45 x 20 mm.

2.5 Weight of the CN-WRL – not more than 0.03 kg.

2.6 CN-WRL ensures safe operation under the influence of:

- a) ambient temperature from minus 30 to +50 °C;
- b) enhanced relative air humidity up to 93 % at temperature plus 40 °C;
- c) moisture condensation caused by temperature decrease at relative air humidity not less than 95 %;
- d) vibration with acceleration of 0.5 g in the frequency range from 10 to 55 Hz.

2.7 The CN-WRL in it's original package withstands during transportation the following impacts:

a) transport jolting with acceleration of 30 m/sec² at the impacts frequency from 10 to 120 per minute or 15.000 impacts with the same acceleration;

b) ambient air temperature from minus 50 to plus 50 °C;

c) relative air humidity up to (95 ± 3) % at temperature plus 35 °C.

2.8 Average service life of the CN-WRL is 8 years.

3 Scope of Delivery

Each CN-WRL unit package contains items listed in Table 1.

Table 1

Name	QNT
Wireless zone extension module «CN-WRL»	1 pc.
Main antenna	1 pc.
Additional antenna	1 pc.
Wireless zone extension module «CN-WRL». Installation Guide	1 copy*
* – per one lot	

4 Storage and Transportation

4.1 The CN-WRL in original package can be shipped by any transport means in covered vehicles over any distances.

Transportation by airplanes is permitted only in sealed heated compartments. Transportation of goods by sea transport must be carried out in containers arranged in holds.

Shipping of the CN-WRL must be arranged according to rules and regulatory documents for corresponding means of transport.

4.2 The storage room shall be free from current-conducting dust, acid vapors, alkali and gases that cause corrosion and destroy insulation.

5 Manufacturer's Guarantees

5.1 The Manufacturer guarantees conformity of the CN-WRL to the requirements of Specifications provided the transportation, storage, installation and operation conditions are observed.

5.2 The guaranteed storage term of the CN-WRL is 63 months since the date of manufacture. The guaranteed useful life is 60 months since the day of putting into operation within the storage term guaranteed.

5.3 For guaranteed maintenance, please contact:

«C.Nord» STCF

Russia, 190020, St. Petersburg,

Obvodny Channel emb., 199-201, build.13, BC «Obvodny Dvor»

Phone: (812) 327-16-36

E-mail: cnord@cnord.ru, support@cnord.ru, www.cnord.ru

6 Packing Certificate

Wireless zone extension modules «CN-WRL» have been manufactured in compliance with the active technical documentation and classified as fit for operation and packed by «RIELTA» JSC.

Packing date _____
month, year