915MHz Wi-SUN Node - NCF-SQRRL-915-WSUN-CAN-NFC-SANT-5V-A01

USERGUIDE

This User Guide is intended to provide guidelines to ensure proper and safe operation of this product.

Please read all directions before operating this product.

WARNING: The antenna to be used with this provide must be installed by an authorized professional.

SAFETY PRECAUTIONS

1. Do not use any attachments not supplied or approved by manufacturer.
2. All attachments including antenna and cable must be installed by qualified professional.
3. All attachments must be installed before power is applied to device.
4. Do not operate the unit unless all attachments are connected.
5. Do not operate the unit if submerged in water.

PACKAGE CONTENTS

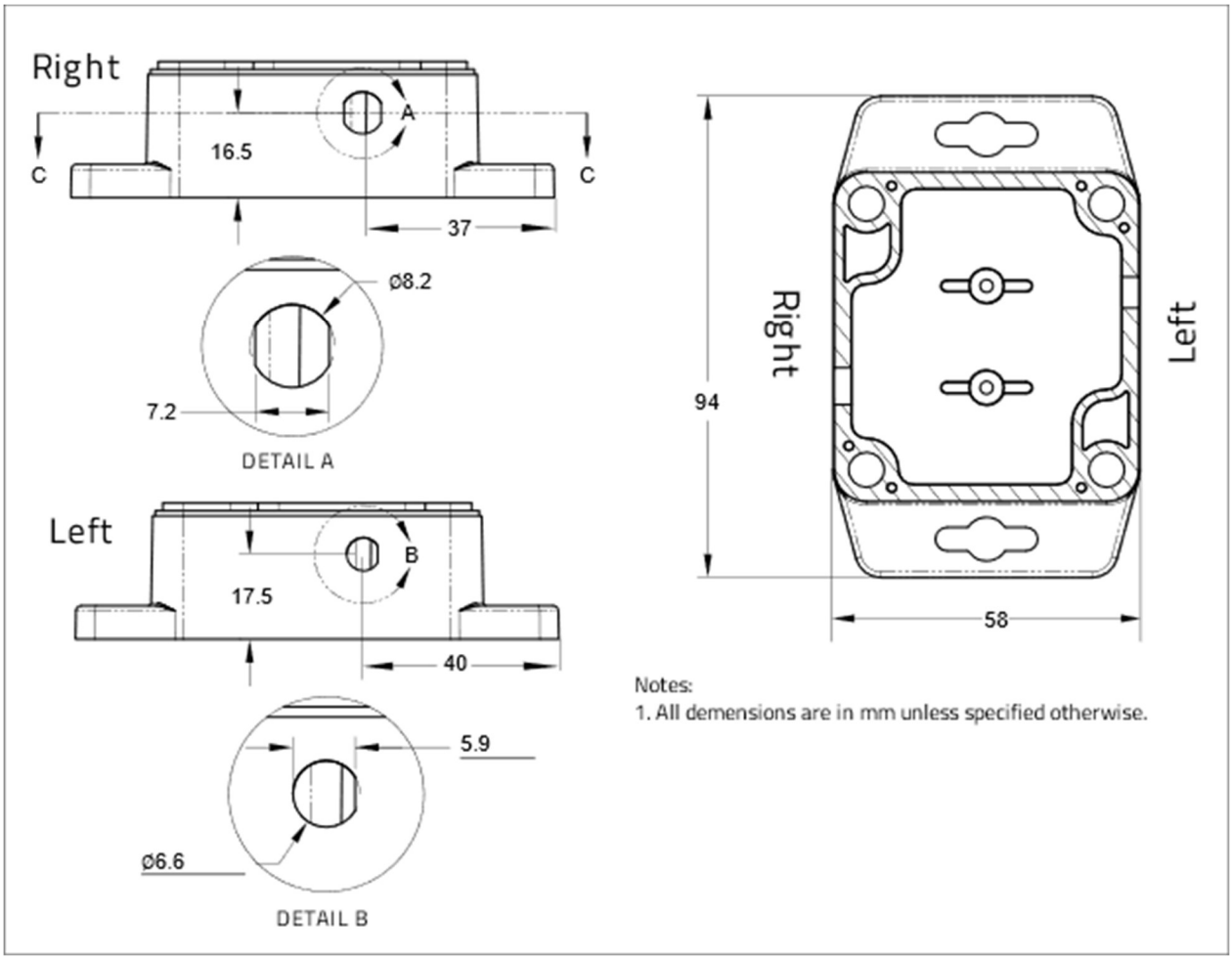
1. SQRRL radio node.
2. Approved 915MHz antenna.
3. Approved 4 pin power and data cable.

INSTALLATION

1. Install manufacturer approved 915MHz antenna by screwing it into RF connector.
2. Install manufacturer approved 4 pin power and data cable by inserting socket plug into mating 4 pin connector on SQRRL housing. Insert other socket plug into mating 4 pin connector o host device.
3. Mount or secure housing by using appropriate screws and hardware utilizing the mounting holes present.
4. Power up or turn on host device.
5. The system incorporates a passive NFC tag (without built-in battery) which requires the use of a Smartphone or NFC tag reader for activation.

SPECIFICATION

Dimensions (W x H x D)	94 x 34 x 58 mm
Main power source	5VDC
Operational Frequency Range	902-928 MHz
Operating range	-40°F ~ 140°F (-40°C ~ 60°C)



FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and;
(2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates—and can radiate—radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If the equipment does not cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna
• Increase the separation between the equipment and the receiver
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

FCC RF Radiation Exposure Statement

Caution: To maintain compliance with the FCC’s RF exposure guidelines, place the unit at least 20cm from nearby persons.

ISED compliance statement:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This radio transmitter IC: **28166-S915WSN** has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Approved Antenna Types:
Max Gain: 3.75 dBi
Impedance: 50 Ohm
Radiation Pattern: Omni-Directional
Input Power 2 W

Distributed by Neutron Controls, 350 Palladium Drive #102; Ottawa, Ontario; K2V 1A8 .
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