runwise

Wireless Temperature Sensor

User's Manual

Revision 1

Usage
This Runwise Temperature Sensor is one component in the Runwise Heat Management System. Sensors are installed in various locations throughout a climate controlled space to provide real time, wireless temperature data to the Runwise Management System.

Installing the Wall Plate
Locate the Runwise Sensor Wall Plate (Fig 1), and secure to the wall using appropriate mounting methods.

Figure 1 – Runwise Sensor Wall Plate

Depending upon wall construction, the Wall Plate may be mounted with screws, wall anchors, or double sided adhesive tape. It is recommended to install the Wall Plate in a horizontal orientation, with the release latch towards the right side of the unit, or vertically, with the release latch towards the bottom.

Installing the Sensor
Before installing the Sensor, note the serial number listed on the bottom of the unit. This will be needed later to verify the operation of the unit, and complete system configuration. Align the 4 locking posts in the Wall Plate with the 4 square holes in the back of the Runwise Temperature Sensor. Slide the Sensor towards the release latch approximately 1/8” (3mm) until a click is heard. Verify that the Sensor is securely mounted to the wall.

Operation
The Runwise Temperature Sensor comes pre-installed with a long-life lithium battery, so no

additional steps are required for installation. Operation can be verified when configuring the Runwise Controller Gateway. Refer to its User's Manual for details.

FCC ID: 2AQX2-G2RWSENS
This device complies with Part 15 of FCC Rules. Operation is subject to the following 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. Changes or modifications not expressly approved by Runwise could void the user's authority to operate the equipment.

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, uses 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 this equipment does 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 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.

RF Exposure WARNING
Antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

IC Notice:
This radio transmitter [IC: 24232-G2RWSENS] 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.

Le présent émetteur radio [IC: 24232-G2RWSENS] a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué pour tout type figurant sur la liste, sont strictement interdits pour l'exploitation de l'émetteur.

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.

L’émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d’Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L’exploitation est autorisée aux deux conditions suivantes:

1. L’appareil ne doit pas produire de brouillage;
2. L’appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d’en compromettre le fonctionnement.

List of Approved Antennas:

Manufacturer	*Antenna*	*Description*	*Type*	*Peak Gain (dBi)*
Taiwancast	**ANT-SMA-5CM**	**SMA antenna, quarter wave helical, 50mm long, for 902-928 MHz band**	**Monopole**	**+0**
TE Connectivity Linx	**ANT-915-NUB-SMA**	**RF ANT 915MHZ SHORT WHIP SMA**	**Monopole**	**+3.9**