AR2X Smart Sensor
User Guide

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Revision History

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1. Overview

The AR2X Smart Sensor detects objects and reports characteristics of the detected objects such as presence, distance, speed, and direction of motion.

AR2X Sensor

The AR2X Smart Sensor is the intellectual property of Delta Mobile Systems, Inc.

2. Setup and Operation

2.1. Placement

For optimal performance, the AR2X should be placed in a fixed position. The back of the AR2X housing features mounting holes for this purpose.

Orient the AR2X such that the housing surface with the Delta Mobile Systems logo is directed towards the area of interest to be monitored.

2.2. Standalone or Connect to Host System

The AR2X may operate as a standalone monitoring device or it may be connected to a host system via Delta Mobile Systems' Control Unit.

When objects are detected and/or have measured characteristics within certain parameters, the AR2X can alert users via LEDs, audible signals, or other similar warning techniques. For example, if an object is detected within a specified distance, the AR2X can output an alert.

2.3. Power On

Supply 5VDC power to the AR2X.

The AR2X will turn on and automatically begin monitoring the coverage area for objects that are within pre-set parameters, such as distance criteria.

3. Regulatory Notices

3.1. Federal Communications Commission (FCC)

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.

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 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.

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

3.2. IC Warning Statement

This device complies with Industry Canada licence-exempt RSS standard(s).
Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie 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, et
2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.