SIEMENS

Operating Instructions
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Series 4292 Wireless Sensor System Site Survey Tool

Product Description

The Site Survey Tool (Siemens P/N 563-089) is a matched pair of handheld devices that helps installers optimize the location of sensors and repeaters within the Series 4292 Wireless Sensor System.

Each Site Survey Tool includes two handheld devices with matching ID numbers. Devices with mismatched IDs will not communicate with each other.

The Series 4292 Wireless Sensor System Site Survey tool is designed to assist with determining optimum number and location of repeaters within a wireless sensor network. Use of the device is not intended to be a substitute for a professional RF site survey.

NOTE: This tool is for use with the Siemens Series 4292 Wireless Sensing System and is not compatible with other wireless products.

Operating Instructions

1. Turn on both site survey tools and verify that they are displaying the same measurement value.
2. Place/mount one of the two survey tools where you intend to place a sensor. For example, if the sensor is going to be mounted on a wall, the survey tool should be mounted or held on the wall to get the most accurate reading.
3. Place/mount the second survey tool where you intend to place either the gateway or repeater to get the most accurate reading.
4. Allow approximately 5 seconds for accurate measurements to be received.

   NOTE: Readings are in real time and will change as the survey tools are moved.

Signal Strength	LED Color	Required Action
-49 to -95dB	Green	Repeater not required
-96dB to -97dB	Yellow	Repeater recommended
<-97xdB	Red	Repeater required

NOTE: Display will show "---" at readings below -108dB.

5. Repeat Steps 2 through 4 for all intended sensor mounting locations.
6. Replace 9V batteries as needed.

Related Documentation

- A6V11521281: *Series 4292 Wireless Sensor System Sensors Installation Instructions*
- A6V11536846: *Series 4292 Wireless Sensor Syistem Techical Specification Sheet*
- A6V11544782: *Series 4292 Wireless Sensor System User Guide*
- *Field Server Protocol Driver Sheet BACnet PIC Statement*

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FCC Note:
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.

Changes or modifications not expressly approved by the manufacturer for compliance could void the user's authority to operate the equipment.

Class B Devices Statement:
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.

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

This device complies with Industry Canada license-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 compromettre le fonctionnement.

To access complete technical and regulatory details for the tranceiver module go to the following link.

http://ww1.microchip.com/downloads/en/DeviceDoc/75017B.pdf