Door sensor installation instructions

Part list

Transceiver bracket

Transceiver

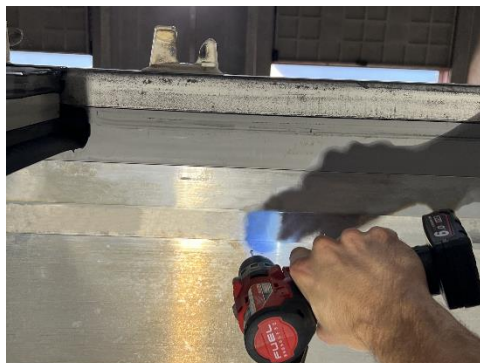Sensor

Magnet

6 screws

Optional: Sikaflex 295 glue

Instructions

1. Connect the unit to AC power and turn it on.
2. Check the software version and update as necessary. Go to the Service menu 🔧 , line S05 Configuration and line F02 SW version.
3. Turn the unit off and disconnect the power.
4. Open the right-hand container door.
5. Measure 20 cm from the left-hand door and hold up the sensor so it is flush with the roof rim. Using a pen, mark the position of the 2 holes.
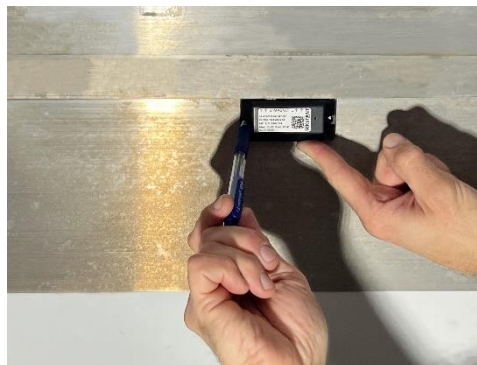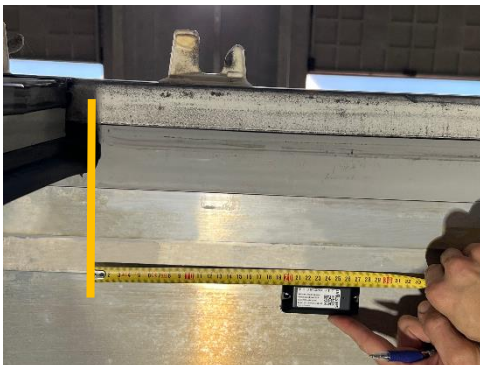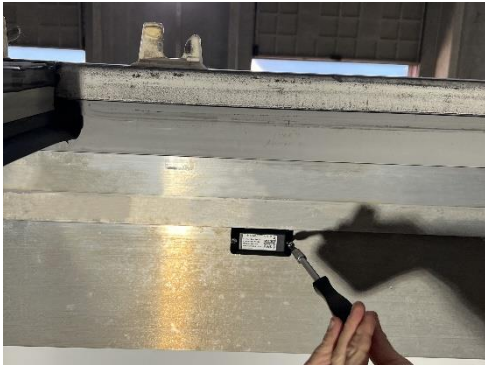

6. If using screws, drill 2 holes size 3.8 - 4.0 mm. Otherwise apply Sikaflex 295 glue to the back of the sensor.

7. Ensuring that the arrows on the label or the flat side of the sensor point out to the container door, use a screwdriver and 2 screws to mount the sensor. If using glue, press the sensor firmly into position and hold it there for 1 minute before applying some tape to hold it in place while the glue is drying.

8. **Warning! 2 people needed for this step!**
   From inside the container with the door closed, hold the magnet up so it is aligned with the sensor. Again, using a pen, mark the position of the 2 holes. Open the container door again.
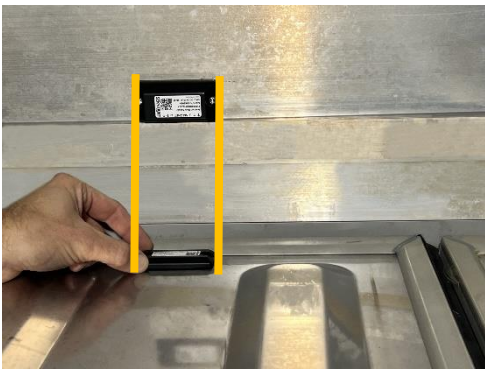
9. If using screws, drill 2 holes size 3.8 - 4.0 mm. Otherwise apply Sikaflex 295 glue to the back of the magnet.

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10. Use a screwdriver and 2 screws to mount the magnet. If using glue, press the magnet firmly into position and hold it there for 1 minute before applying some tape to hold it in place while the glue is drying. Leave the container door open.
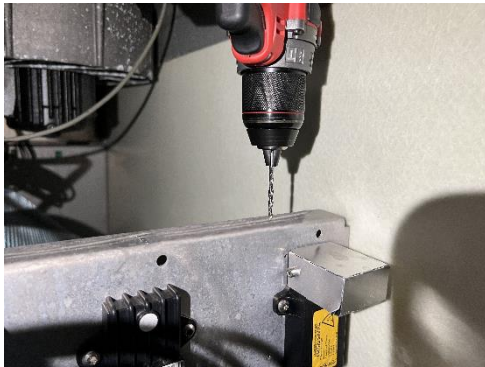

11. Remove the right-hand inspection cover.

12. Measure 6 cm from the evaporator back panel and place the transceiver bracket onto the evaporator centre plate. Using a pen, mark the position of the 2 holes. Be sure that the 2 holes are in the centre of the plate.
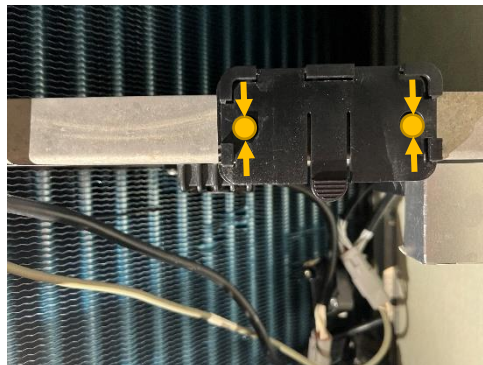
13. Using a drill size 3.8 – 4.0 mm, make the 2 holes.

14. Use a screwdriver and 2 screws to mount the bracket.

15. Slide the transceiver into the bracket so it clicks into place.

16. Disconnect the humidity sensor from the communication cable and connect the transceiver to the communication cable and the humidity sensor.

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17. Secure the cables with cable ties if necessary. The cables must **<u>not</u>** hang down touching the evaporator fins.

18. Mount the right-hand inspection cover again.

19. Connect power to the unit and turn it on.

20. Ensure the container door is open.

21. Go to the Service menu ⚒ , line S05 Configuration, line F15 Door sensor and change the value from No to Yes.

22. Go to the Service menu ⚒ , line S11 Door sensor. Check that the Status is Open, the Receiver is Yes and the Sensor is Yes.

23. Close the container doors and confirm that the Status then changes to Closed.

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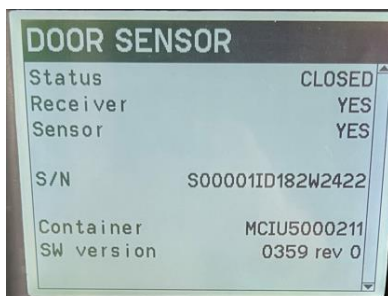
FCC

Caution:

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.

The 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.

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

(2) this device must accept any interference received, including interference that may cause undesired operation.

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

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This device complies with Industry Canada's license-exempt RSSs. 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.

In order to avoid the possibility of exceeding the ISEDC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

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.

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Afin d'éviter la possibilité de dépasser les limites d'exposition aux fréquences radio de la ISEDC, la proximité humaine à l'antenne ne doit pas être inférieure à 20 cm (8 pouces) pendant le fonctionnement normal.

Technical data:
Bluetooth version: BLE 5.1
Frequency range: 2402 MHz to 2480 MHz
Sekstant Door sensor maximum output power: -6.40dBm
Sekstant BLE Transceiver maximum output power: -3.10dBm

If you have any questions about this instruction, please contact: service@starcool.com.

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