

Operational Notes:

Following Sensor battery replacement, it is not necessary to perform the re-association process. The SS5000 / SS5200 Thermostat or SS1107 Controller will have already stored the Sensor's unique ID.

- For installation and support information, see Technical Note 6.30.115.
- For information regarding associating SS2200-Series sensors see Technical Note 6.70.104

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 user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

For more information, please email us at:
support@telkonet.com.

SS2200 Occupancy Sensor for Telkonet Energy Management Systems

Specifications:

- Maximum Diameter (at face) - 13.0mm
- Minimum Diameter (at base) - 11.3mm
- Depth – 4cm
- Weight (batteries loaded) – 1lb 1oz
- Power Source – 4xAA Industrial Alkaline

AA Alkaline batteries are the minimum permissible battery standard for SS2200 sensors. Non-alkaline "long-life" batteries will not yield acceptable long-term performance. Where possible, the use of "Industrial" batteries (Energizer EN-91-LR6-AM3 [Zn/MnO₂] or equivalent) is recommended.

Batteries should be replaced as part of scheduled servicing as follows:

- Standard Alkaline Batteries – Approximately every 24 months
- Industrial / "Heavy Duty" Batteries – Approximately every 18 months

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Battery Replacement Procedures for Telkonet SS2200-Series Occupancy Sensors



**Warning: Read all instructions
carefully before installing this
product.**

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Battery Replacement Procedure

Step 1: Remove the retaining screw, and rotate the Sensor faceplate until it disengages from the mounted base.



Figure 1 - Removing the Sensor from the Mounting Plate

Step 2: Place the sensor faceplate on a stable, flat surface. Proceed with a good grip on the assembly and take care not to disengage the battery wires.



Figure 2 - Sensor Assembly on secure, flat surface

Step 3: Remove the batteries. The battery clips are designed to hold the batteries snugly in place despite a wide variety of mounting options, so a small, flat-head screwdriver is often of use in removing the batteries.

With the batteries removed, take a moment to orient yourself with the battery clips and polarity markings on the unit. Note that:

- The negative terminal clip for each battery is designed to act as a “spring” to push the battery’s positive terminal into place.
- There is a small embossed polarity guide on the inside of the faceplate, just in front of the battery clips. Note the orientation when looking at the batteries from the side:
- The bottom battery always has its positive terminal facing right
- The top battery always has its positive terminal facing left
- Check to ensure there is no oxidation or battery “acid” on the battery terminals.

Dispose of used batteries in a safe and approved manner.



Figure 3 - Battery Orientation and clips

Step 4: Insert the replacement batteries. Begin by placing the bottom battery, and then the top for each side. Whenever inserting batteries, it is best to place the negative battery end on the negative terminal, and then gently press the battery into the clip until it seats against the terminal.

Ensure that there is nothing in between the battery terminals and the battery clips, such as stray insulation, paint chips, etc. The battery terminals must make firm, conducting contact with the battery clips.



Figure 4 - Inserting Batteries

When placing the top batteries into the clips, take care not to press down on the spring negative clip. Excessive force will cause the metal terminal to slide down on the plastic bracket, and short against the bottom terminal. This will short-circuit the battery, resulting in possible damage to the Sensor.

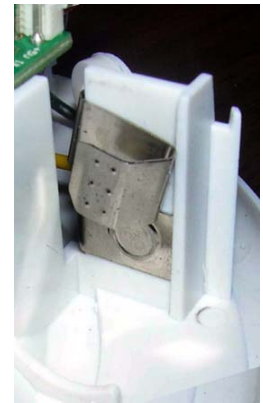


Figure 5 - Shorted clips

Step 5: Visually double-check the assembly with the new batteries in place. Verify that:

- Battery orientation is correct
- Metal battery clips are not shorted against each other
- The black power connector is firmly-attached to the circuit board
- Touch the battery sides with your finger. If they are warm or hot to the touch, this is a clear indication of a shorted terminal. Re-examine the unit.

Step 6: Verify that the retaining screw hole in the side of the Sensor assembly is oriented near the matching hole on the mounting plate. Insert the Sensor assembly into the mounting plate, and fix in place by rotating the unit slightly clockwise. Replace the retaining screw.