

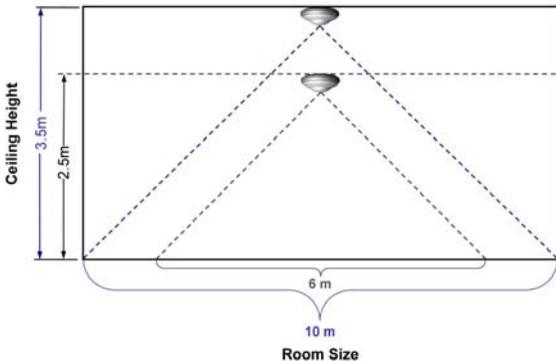
Hello! Let's install a ZAURA System.

Zilog's ZAURA RF Wireless occupancy detector energy management system is designed for easy plug-and-play installation. This guide is designed to assist professional lighting systems installers to perform a typical ZAURA System installation which will detect occupancy in a room and switch the starter-based lighting on and off without the need for control wiring. For greater detail about each of the following steps, refer to the [ZAURA Installation Guide \(UM0229\)](#).

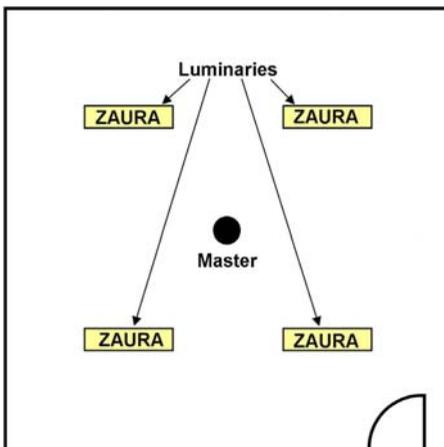
Step 1. Assemble your tools. You'll need the following items:

- Screwdriver
- Ladder
- Pen, Pencil or Marker
- Standard electric drill and bits (for concrete, an impact drill)
- Small slot screwdriver (for changing Master DIP Switch positions)
- Tape measure
- Appropriate tools to access starter(s) in luminaries

Step 2. Determine the location of Standard Masters (and Range Extenders, if required).



Step 3. Determine luminary configuration.



Step 4. Inventory your parts. A typical installation will require as many starters as there are light fixtures in the room.

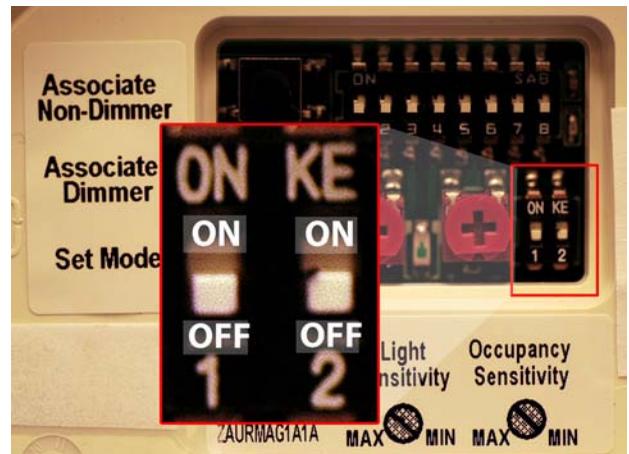
► **Note:** If the room is any larger than six meters square, you may need a 2nd Master unit. See the ZAURA Installation Guide for details.

Step 5. Open the Master Unit by removing the retaining screw from the side of the Detector body. Turn the base plate until the arrows on the Detector body and the base plate align. Remove the Detector body and lens cover from the base.



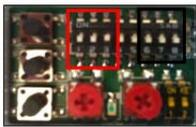
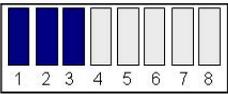
Step 6. Mount base plate(s) to the ceiling in the location(s) you determined in **Step 2** using the screws or the double-sided tape provided.¹

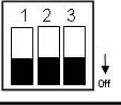
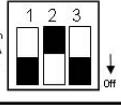
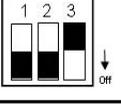
Step 7. To configure a ZAURA Master, set the Master type switch to the Standard (OFF, OFF) position.



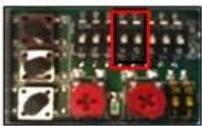
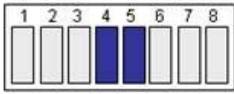
¹ The double-sided tape is non-permanent and is recommended only for testing your configuration prior to permanently affixing your ZAURA Master.

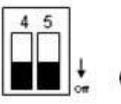
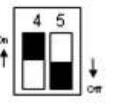
Step 8. Make sure the mode is set to Normal Operation (i.e., DIP switches 1, 2 and 3 are in the OFF position).

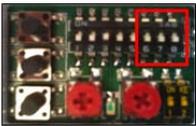
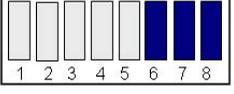
 <p>Normal Operation (factory default)</p>	 <p>Toggle Dimming Lamps</p>
 <p>Toggle All Lamps</p>	 <p>PIR Test</p>

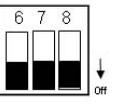
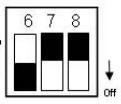
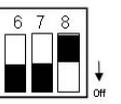
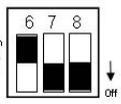
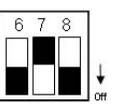
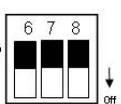
Step 9. Make sure the Dim Control is set to Normal Operation (i.e., DIP switches 4 and 5 are in the OFF position).

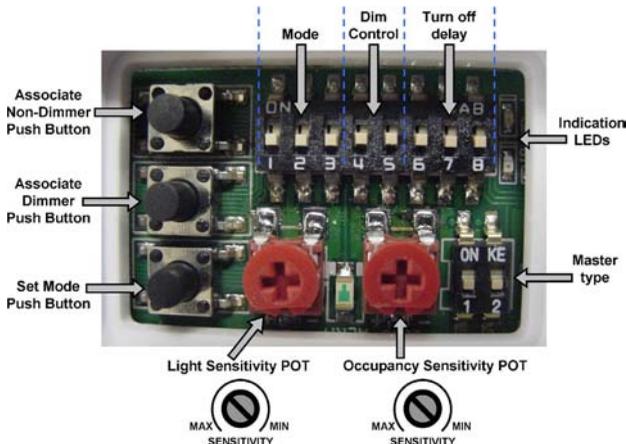
 <p>Normal Operation (factory default)</p>	 <p>Disable Dim All</p>
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Step 10. Set the turn-off delay to the required value (the recommended setting is 5 minutes).

 <p>t = 2 min</p>	 <p>t = 15 min</p>
 <p>t = 5 min</p>	 <p>t = 20 min</p>
 <p>t = 10 min</p>	 <p>Always On</p>

Step 11. Adjust light and occupancy sensitivity POT, if required.



Step 12. Install a Lithium 3V Type CR123 battery in either battery slot of the Master. If the Master will be associated with any Range Extenders, Zilog recommends installing two batteries. The Master will initialize for a period of up to one minute.

Step 13. If a Range Extender is required, set the Master type switch to Range Extender (OFF, ON) position, as shown in the figure in **Step 7**. If no Range Extenders are required in your installation, skip to **Step 17**.

Step 14. Set DIP switches 1 through 8 to match the Master; refer to the figure in **Step 11**.

Step 15. Adjust the Occupancy Sensitivity POT (if required) and install a Lithium 3V Type CR123 battery in either battery slot of the base plate of the Range Extender.

Step 16. Associate the Range Extender to the Master by pressing the Dimming or Non-Dimming **Associate** button on the Master. The Master will attempt association for a period of 30 seconds.

Please proceed to the next page.

Step 17. To set Virtual Dimming Luminaries, remove power and replace the original starters with ZAURA Starters. If no Virtual Dimming luminaries are required, skip to **Step 21**. For a more thorough description of virtual dimming, see the section titled *Light Sensor for Daylight Harvesting* in the ZAURA Installation Guide.



Step 18. Apply power to the luminaries.

Step 19. Associate the ZAURA Virtual Dimming Starters to the Master by pressing the **Associate Dimmer** button. The Master will attempt association for a period of 30 seconds.

Step 20. Verify the association of all ZAURA Virtual Dimming Starters:

- Change the mode to **Toggle Dimming Lamps** by sliding DIP Switch 2 to the ON position.
- Press the **Set Mode** button. All luminaries that are associated as Virtual Dimming should turn off.
- Press the **Set Mode** button a second time. The same luminaries should turn back on.
- Slide DIP Switch 2 to the OFF position to return the Master to Normal Operating Mode.

Step 21. To set the Standard Luminaries to be controlled by the Master, remove power and replace the original starters with ZAURA Starters in the remaining luminaries to be controlled by the Master. For assistance, refer to the figure in **Step 17**.

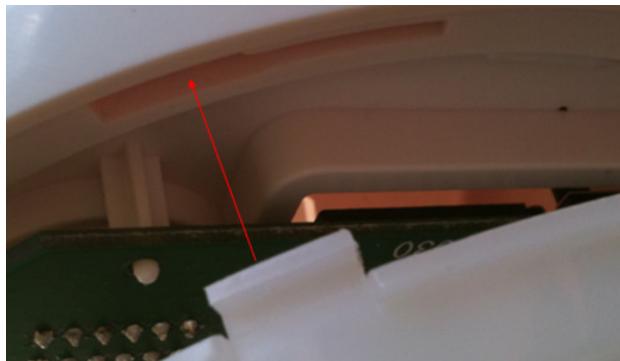
Step 22. Apply power to the luminaries.

Step 23. Associate the ZAURA Starters to the Master by pressing the **Associate Non-Dimmer** button on the Master. The Master will attempt association for a period of 30 seconds.

Step 24. Verify the association of all ZAURA Starters:

- Change the mode to **Toggle All Lamps** by sliding DIP Switch 3 to the ON position.
- Press the **Set Mode** button. All luminaries, including the Virtual Dimming luminaries installed in the previous step, should turn off.
- Press the **Set Mode** button again. The same luminaries should turn back on.
- Slide DIP Switch 3 to the OFF position to return the master to Normal Operating Mode.

Step 25. Mount the Master to the previously-installed base plate closest to the center of the room by placing the four tabs of the lens cover into the matching notches of the Detector body and turning the lens cover clockwise until it is secure.



Step 26. Place the Detector body into the base plate so that the arrows on each are aligned. Turn the unit clockwise to latch it closed; the arrows will offset each other. Insert and fasten the retaining screw.

Step 27. Mount the Range Extenders (if any) to their designated base plates; see steps 25 and 26. Your installation is now complete!

Warning: DO NOT USE THIS PRODUCT IN LIFE SUPPORT SYSTEMS.

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