

LED lighting / Motion control system – individual case control

11/10/09 Rev D

The following instructions will detail how to install the motion sensor system to a line-up of Zero Zone cases. The system is installed in an effort to save energy and increase the life of the LED lights. The motion control system is used to turn the lights off and on inside each case as needed. There is one controller per case and the lighting in each case turns off and on individually. The case lights turn on when a person approaches, then shuts off after the person has stepped away.

Sensor installation

There will be one sensor located in the center of each case. The sensor can “see” in a 180 degree angle. When a customer approaches the case from either end, the lights inside the case will turn on.

1. Begin with the right-most case of the line-up. Locate the power pack, which is positioned on top of the ceiling at the back right of the case. The power pack is plugged into a 4x4 electrical box.
2. Install one end of the 14 foot cable into the connector on the power pack. Plug the other end into the sensor. The cables plug in similar to a telephone jack.
3. Attach the sensor to the case. The sensor has a built-in bracket, simply screw it into the metal ceiling panel such that it is centered on the front of the case.



Picture 1. A power pack with a cable attached.



Picture 2. The back of the sensor showing the dip switches.

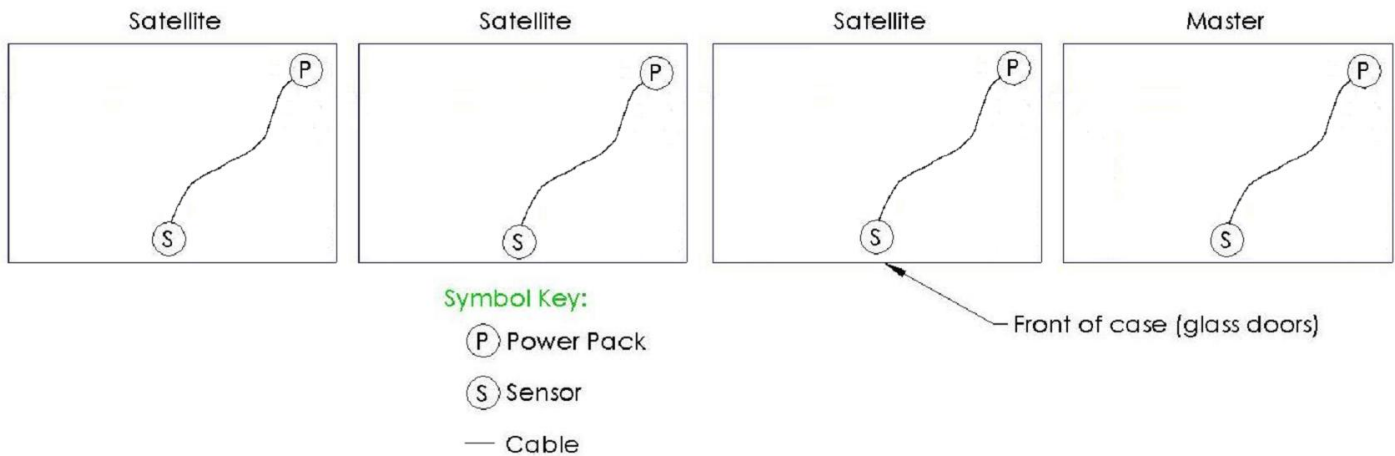


Picture 3. A sensor and bracket.



Picture 4. The sensor shown mounted on the case.

TOP VIEW OF CASE LINE-UP



Picture 4. This picture shows a top down view of a sample line-up of four cases .

Sensor adjustments

The light level and time delay adjustments are pre-set at the factory but should be verified. Adjustments are made on the back of each sensor by setting a series of dip switches. The switches can be accessed by removing a small cover on the back of the sensor.

Light level adjustment should be turned to "max". The time delay should be set to 2 minutes. This combination results in the dip switch to be set at on-off-on-off. If changes are necessary, use a pen or similar object to push the switch to the correct position. The range of the sensor is about 20 feet.

Note: There may be an optional on/off switch located on top of the sensor control box. This is an override switch for the lighting control system. In normal operation the switch should be in the OFF position. Moving the switch to the ON position will cause power to be sent to the lights uninterrupted, bypassing the motion control system.