



Motion Sensor Installation Instructions

CAUTION!

Power should **ALWAYS** be disconnected before attempting to perform any electrical work and all electrical work carries inherent risk.

Our fixtures should only be installed by qualified, licensed electricians.

PLEASE NOTE

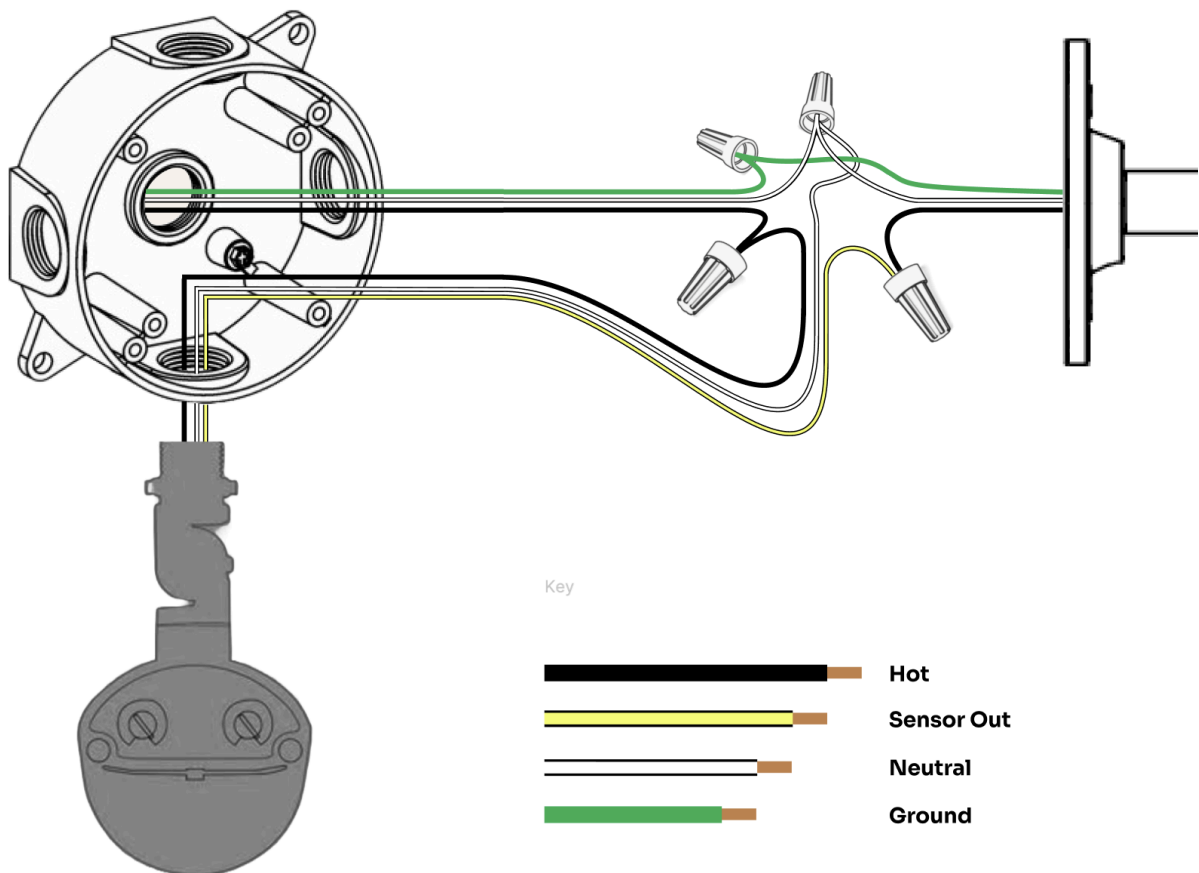
The motion sensor is designed to be installed in situations where the wires are protruding from the wall or post and can be run into the back hole of our bell box, but it can be installed with wiring from horizontal conduit from either side of the bell box or from vertical conduit above, but *not* from below, as the motion sensor will occupy the bottom outlet of the bell box.

INSTRUCTIONS

1. Rotate the 4" electrical bell box so that the wings are diagonal and the outlet holes of the bell box are oriented horizontally and vertically (as shown in the diagram).
2. Unscrew the locknut from the threaded end of the motion sensor arm. Remove the plug from the bottom outlet of the bell box and run the wires then the threaded end of the motion sensor arm through the now unplugged electrical box outlet. Rescrew the locknut on the threaded end of the motion sensor arm so that it is now securely attached to the electrical box.
3. Ensuring that the included gasket is on the back of the electrical box so that it will create a seal between the electrical box and the surface of the wall or post, run the wires from the wall or the post through the unplugged central outlet of the electrical box and secure the electrical box to the wall or the post using deck screws or similar if mounting to wood, or consider tapcon-style screws when mounting to masonry.
4. Proceed to assemble the light fixture as normal, following the applicable installation instructions for the gooseneck or straight arm fixture being installed. We recommend starting to screw the set screw in the baseplate, but not fully tightening it until later in the mounting process, as the baseplate will need to be mounted at a 45 degree rotation. It is our suggestion to prep a surface (ideally a ladder or scaffold) where you'll be able to support the weight of the assembled fixture while leaving both hands fully free to perform the necessary wiring.
5. Before wiring, ensure that the motion sensor is secured with the lock nut in the bottom outlet of the electrical box, and take the gasket included with the baseplate and place it on the back of the baseplate before starting to connect any wires (it will hang there loosely) but after starting to make wire connections you will not have another opportunity to place it there before finishing installation.
6. Start by connecting the ground wires (typically green, though occasionally bare copper) together with wire connector/nut as shown in the diagram.
7. Next, connect the white wires from the fixture, motion sensor, and power supply all together with one wire connector/nut as shown in the diagram.

8. Connect the black wire from the power supply to the black wire from the motion sensor using a wire connector/nut as shown in the diagram.
9. Connect the yellow wire from the motion sensor to the black wire from the fixture using a wire connector/nut as shown in the diagram.
10. Carefully nestle all wires and wire connectors into the electrical box, align the four (4) holes on the baseplate with the four (4) holes in the electrical box, making sure that the baseplate gasket is sandwiched between the electrical box and baseplate to create a good seal, and use the provided screws to secure the fixture to the electrical box. Align fixture vertically and tighten baseplate set screw with a flathead screwdriver.
11. Install medium base bulb of choice, set motion sensor to TEST mode, and restore power to the fixture to ensure that all connections were made properly.
12. Once light is properly illuminating, adjust motion sensor dials to the desired settings and adjust cant/angle of the motion sensor with a small phillips head screwdriver for optimal motion detection in your setting.

DIAGRAM



NOTE - The underside of the motion sensor is shown here but take care during installation that the dials pictured are on the bottom and not the top of the sensor.