

Installation Instruction—North America: Drywall

22



Single Outlet - 2 inch box - 12.5 Cubic inches
Double Outlet - 4 inch box - 35 Cubic inches
Double Wide Outlet - 6 inch box - 48 Cubic inches

NOTE: The 22 System is a departure from conventional cover plate systems, and requires a licensed electrician and precise and skilled craftsmanship during installation. If you have never installed a 22 System device, we recommend a practice installation.

This instruction manual is designed for the following products: 22.3.XX

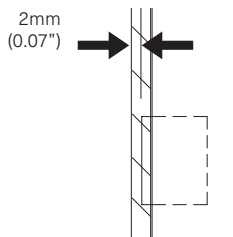
The branch circuit wiring that supplies each device consists of a separate cable assembly originating outside the box, or individual sets of conductors in a single raceway, all of which originate outside the box. Other than connecting to a single device, the conductors must not be spliced in the box or continued to another device. No other wiring shall enter the box. If a metal device box is installed, the equipment bonding conductor for the box shall be installed prior to installation of the wall finish.

Connections for each device to the conductors shall be made with the listed wire connectors suitable for the application.

The included QR code sticker shall be added to the circuit directory panel to record the location of the 22 System Tool.

1. For optimum strength, make sure the back of the mounting plate meets the device box (the surface of the device box must be approx. 2mm (0.07") back from the face of the drywall). If there is no direct contact between the back of the mounting plate and the device box, the system will perform but not at its peak strength.

The device box used must be min. 54mm (2-1/8") deep (shallow boxes will not fit the depth of the component).



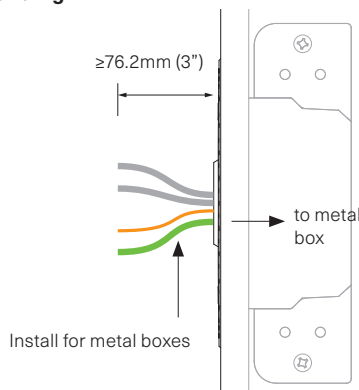
2. WARNING

When installing a product connected to the line voltage, please ensure the power is disconnected at the circuit breaker.

The conductors must have sufficient length ($\geq 76.2\text{mm}$ / 3") to be accessible from the front of the finished wall surface.



IMPORTANT: The branch circuit wiring that supplies each device consists of a separate conductors of which originate outside the box. No other wiring shall enter the box. Please refer to your local electrical and building authorities to determine what kind of boxes and raceways are allowed for your building.



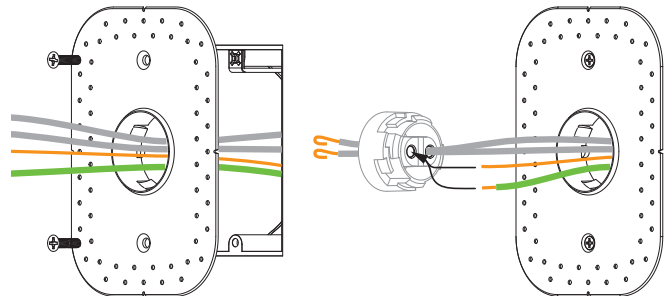
3. IMPORTANT: For metal box installations

During electrical installation, install the equipment bonding conductor to the metal device box.

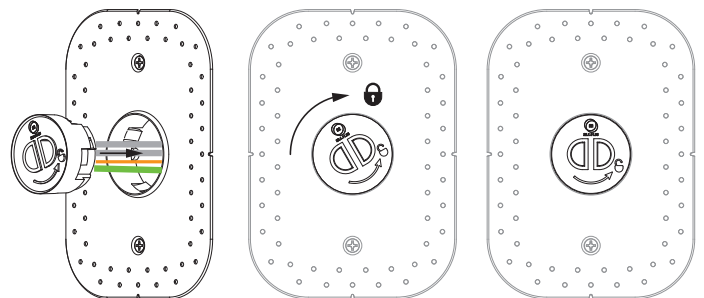
With the 3-part clamping wire connectors, connect the other end to the branch circuit equipment grounding wire, then connect to the equipment grounding conductor for the device.

Before installing the substrate, ensure the green grounding screw is visible when the receptacle is removed.

4. Fasten the mounting plate to the device box using the included screws. Attach the wires to the flush insert.

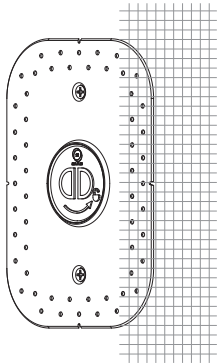


5. Ensure that the locking tabs are engaged, the flush insert is locked and flush to the mounting plate.

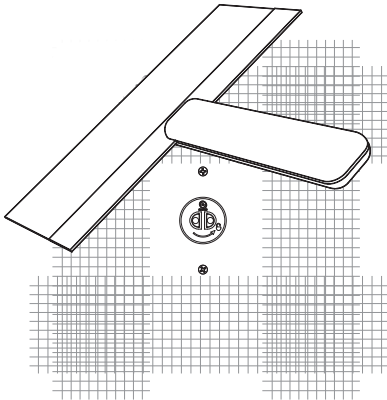


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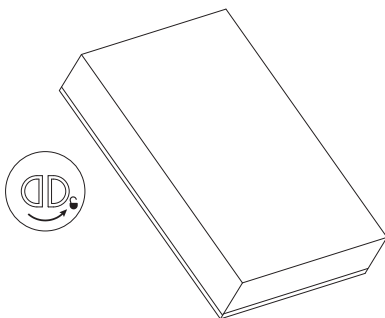
6. Tape the edges of the mounting plate with fiber mesh drywall tape. Ensure there is even contact between the mounting plate flanges and the wall. If even contact is not achieved, unscrew the plate from the device box and carefully apply a small amount of filler compound to the wall to ensure even contact. Press the plate in place to confirm alignment before securing it to the device box.



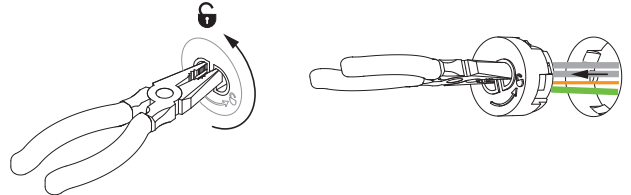
7. Use a drywall filler compound to “mud over” the entire assembly - feather from the center of the mounting plate outwards for 600mm (2') using a large drywall trowel.



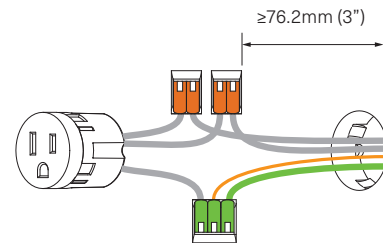
8. Using a foam sanding block, sand the entire area until the rim and the flush insert are exposed. For long-term performance, it is essential to sand right down to the plastic rim.



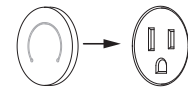
9. Using pliers, unlock and remove the flush insert from the mounting plate.



10. Make all necessary connections using the wire connectors. Insert the device into the mounting plate. Ensure that all four locking tabs are engaged.



11. Insert the two-layer protective silicone cap.



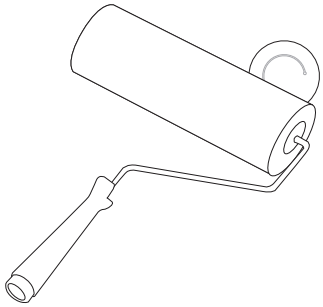
12. Partially peel back the paper face of the protective cap, ensuring the silicon layer remains snugly in place around the device. This will allow you to locate the device after painting.



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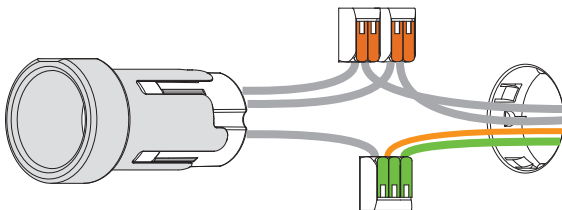
13. Paint over the entire assembly.



14. Once dry, peel back the entire paper face. A tab in the silicon layer of the protective cap will be revealed beneath the paper, allowing you to remove the silicone layer and expose the device.



15. **IMPORTANT: For inspection and maintenance, a 22 System Tool (sold separately) is required to access the connectors and conductors. Please see Removal Guide for details.**



16. Record the location of the 22 System Tool on the provided QR code sticker, and affix it to the circuit directory panel.

