Installation Instruction—North America: Alternate Material

22

For installation in finish materials such as millwork, stone, glass, tile, metal, etc.

c(UL)us LISTED

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 provided clamping wire connectors.

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

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1. Determine finish material thickness and select the appropriate device depth (short/medium/long):
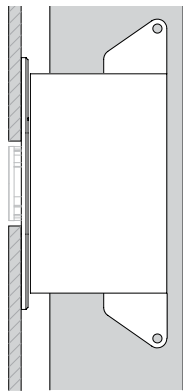

Plate thickness, 3mm (1/8")
Thickness of finish material: 6.35mm (1/4")

Short: Install the device box 9.5mm (0.37") away from finished wall surface.

Device box
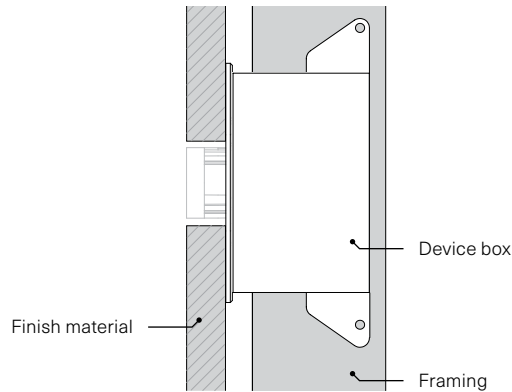
Finish material

Framing

Plate thickness, 3mm (1/8")
Thickness of finish material: 19mm (3/4")

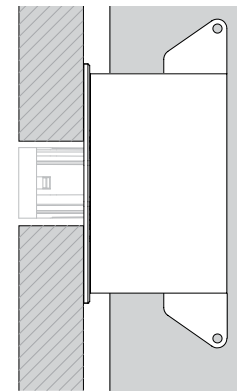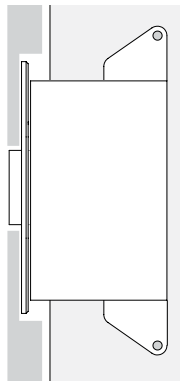**Medium:** Install the device box 22mm (0.87") away from finished wall surface.

Plate thickness, 3mm (1/8")
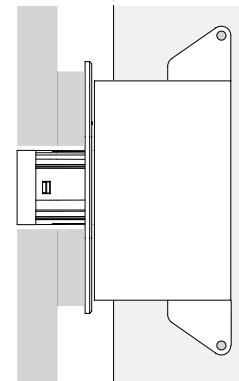Thickness of finish material: 31.75mm (1-1/4")

Long: Install the device box 35mm (1.35") away from finished wall surface.

2. Recess and install the device box.

   NOTE: If the finish material thickness is not one of the three standard scenarios shown above, select the closest option and machine down or shim up to achieve the correct depth.

Machine down
(Suitable for soft material)

Shim up
(Suitable for hard material)

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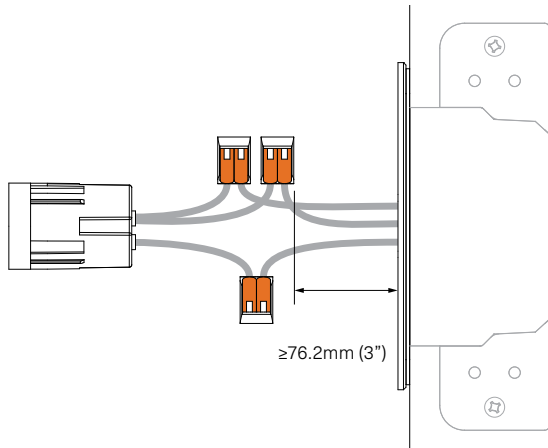
3. **WARNING**
    When installing a product connected to the line voltage, please ensure the power is disconnected at the circuit breaker.
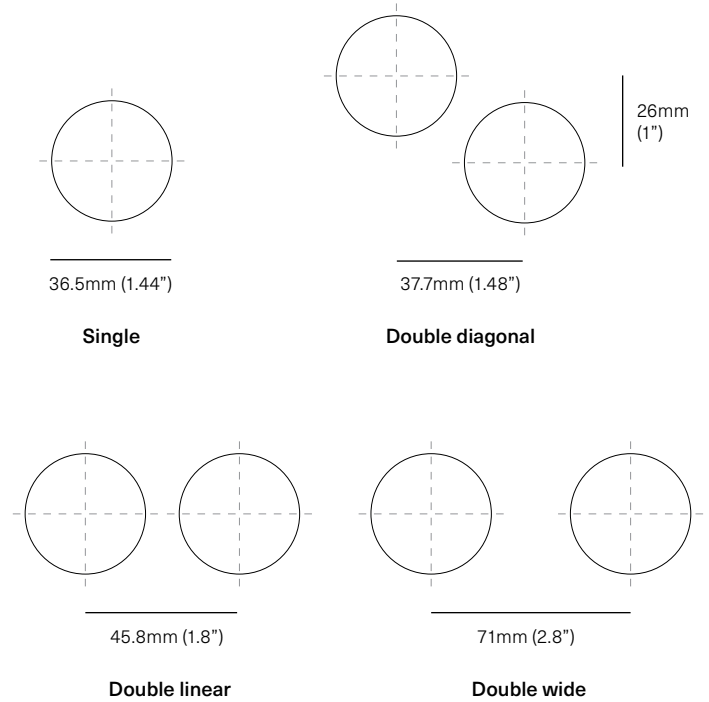
    The conductors must have sufficient length (≥76.2mm /3") to be accessible from the front of the finished wall surface.
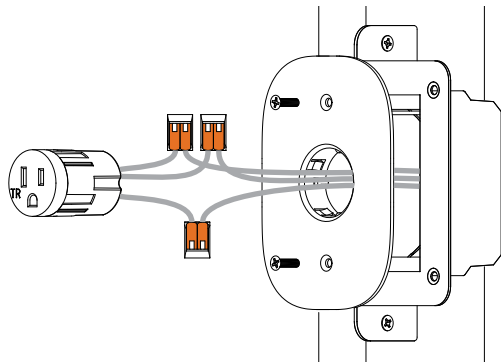
    ⚠️
    IMPORTANT: The branch circuit wiring that supplies each device consists of a separate cable assembly originating outside the box, or conductors in a raceway all of which originate outside the box. No other wiring shall enter the box.
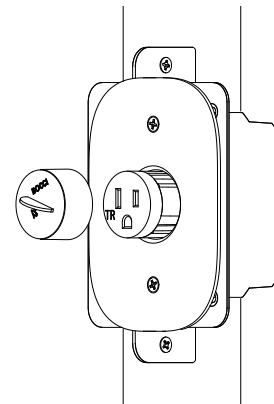

≥76.2mm (3")

4. Affix the mounting plate to the device box. Make all necessary connections using the provided wire connectors. Insert the device into the mounting plate. Ensure that all four locking tabs are engaged.

5. Measure and drill hole locations in your finish material. The reveal size must be at least 36.5mm (1.4375") diameter.

26mm (1")

36.5mm (1.44")

Single

37.7mm (1.48")

Double diagonal

45.8mm (1.8")
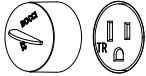
Double linear

71mm (2.8")

Double wide

6. If a wet material such as grout, mortar, plaster etc is used, use the trim cap (22.1.2) to block the face of the devices to create the necessary reveal. It is recommended to use a Medium barrel for these applications.
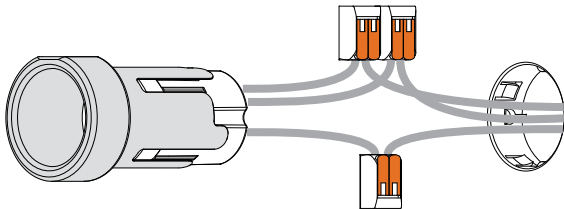
For installation in finish materials such as millwork, stone, glass, tile, metal, etc.

7.   Install finish material, remove trim cap (22.1.2) if used.

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

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

Location of
22 System Tool: