

Installation Instruction: Alternate Material

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



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

- Junction boxes must be nonmetallic.
- The branch circuit wiring that supplies each device consists of a separate nonmetallic cable assembly originating outside the box, or conductors in a nonmetallic 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.

- 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 removal tool.

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

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

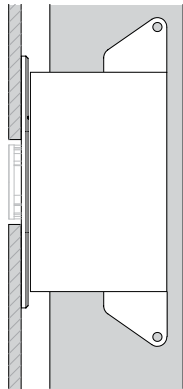


Plate thickness, 3mm (1/8")
Thickness of finish material:
6.35mm (1/4")

Short: Install the junction box 9mm (0.35") away from finished wall surface.

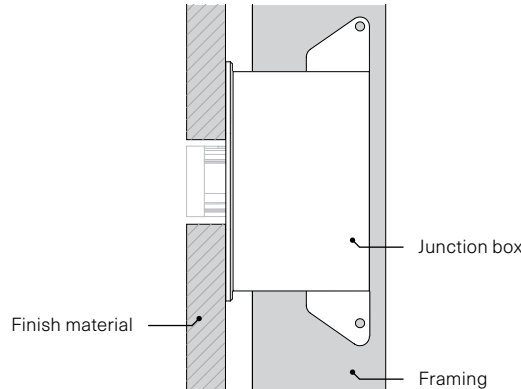


Plate thickness, 3mm (1/8")
Thickness of finish material:
19mm (3/4")

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

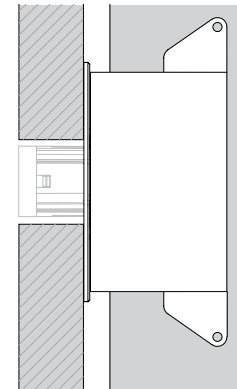
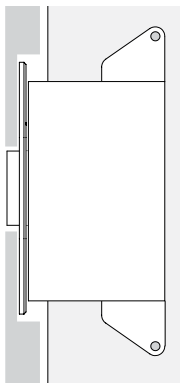


Plate thickness, 3mm (1/8")
Thickness of finish material:
31.75mm (1-1/4")

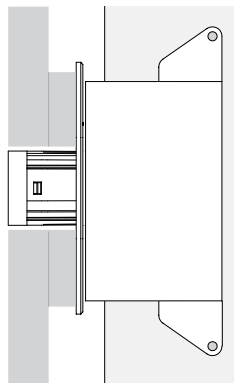
Long: Install the junction box 35mm (1.35") away from finished wall surface.

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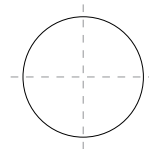
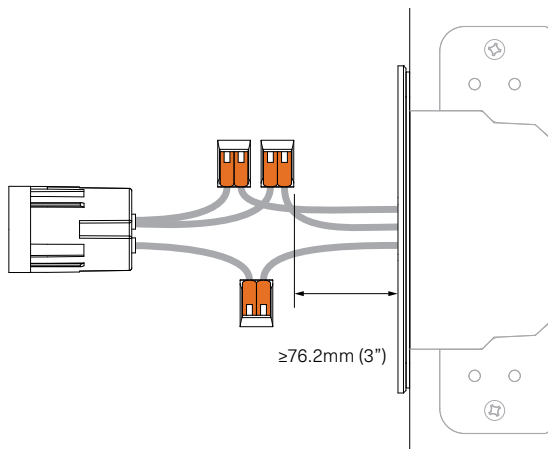
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- The nonmetallic conductors must have sufficient length ($\geq 76.2\text{mm}$ / 3") to be accessible from the front of the finished wall surface.



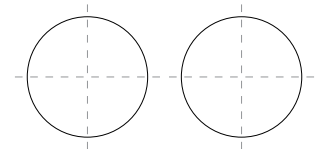
IMPORTANT: The branch circuit wiring that supplies each device consists of a separate nonmetallic cable assembly originating outside the box, or conductors in a nonmetallic raceway all of which originate outside the box. No other wiring shall enter the box.

- Measure and drill hole locations in your finish material. The reveal size must be at least 36.5mm (1.4375") diameter (1-7/16" bit size).



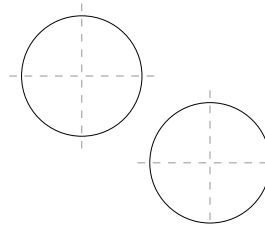
36.5mm (1.44")

Single



45.8mm (1.8")

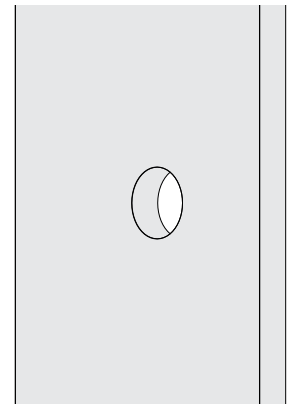
Double linear



37.7mm (1.48")

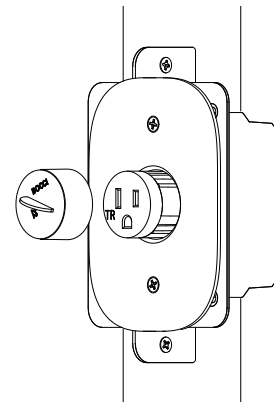
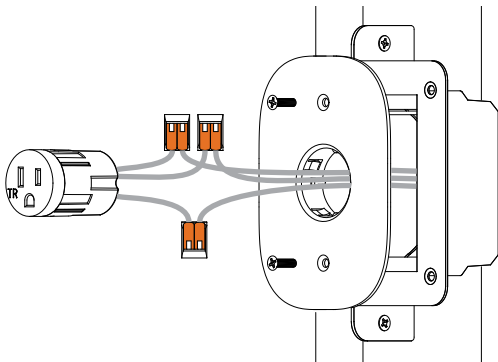
Double diagonal

26mm
(1")



- Affix the mounting plate to the junction 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.

- 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.



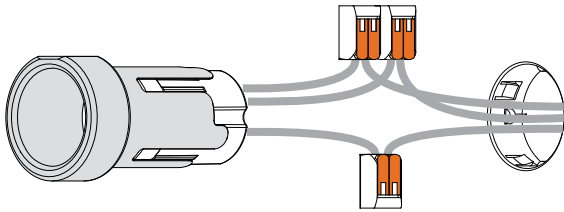
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7. Install finish material, remove trim cap (22.1.2) if used.



8. **IMPORTANT: For inspection and maintenance, a 22.1 removal tool (sold separately) is required to access the connectors and conductors. Please see Removal Guide for details.**



9. Record the location of the removal tool on the provided sticker with QR code and affix to the circuit directory panel.

