



Dead End 3-Way Install Instructions for 3-Wire (No Neutral) Switches

Step 1:

Turn OFF the power to the lighting circuit at the breaker panel.

Step 2:

Carefully remove the existing switches from the wall boxes. Take pictures of the initial wiring setup, if possible. If you are uncomfortable working around the exposed switches, please consult a qualified electrician.

Step 3:

In a dead-end 3-way, the box that has more than one cable assembly coming in will have the line wire and the load wire. This will be considered our line-side box. We will refer to the box with only one cable assembly entering it (the dead-end 3-way switch) as the load-side box.

Step 4:

Once the boxes are identified, it is time to label the wires.

- Starting with the line-side box, bare copper and green insulated wires will be labeled "Ground".
- The two wires connected to the copper-colored screws of the switch are the "Traveler" wires.
- The wire that connects to the black or dark-colored screw on the 3-way switch will be labeled "Load".
- The traveler wire that is not connected to the switch will be connected to the incoming line wire. Label the incoming line wire as "Line".

Step 5:

At the load-side box:

- The bare copper and green wires will be labeled "Ground".
- The two traveler wires connected to the copper-colored screws of the switch will be used for "Line" and "Load" on the Cync switch. If these two wires are colored black and red, it is best convention to label the black wire as "Line" and the red wire as "Load".

Step 6:

When all the wires are labeled, you may unwire the 3-way switches.

Step 7:

Starting at the line-side box:

- Connect the green wire on the Cync switch to the "Ground" wire.
- Connect one of the black wires on the Cync switch and the traveler wire you labeled "Line" in the load-side box from Step 5 to the "Line" wire coming from the wall box. The black wires on the Cync switch are interchangeable and may be used for either "Line" or "Load".
- Connect the unused black wire on your Cync switch to the "Load" wire and the traveler wire you labeled "Load" in Step 5.
- Cap off the unused traveler wire using one of the supplied wire connectors.

Step 8:

At the load-side box:

- Connect the green wire on the Cync switch to the "Ground" wire.
- Connect one of the black wires on the Cync switch to the traveler wire you labeled "Line". The two black wires are interchangeable so you may use either one, even if it's different from the wire you used on the Cync switch in Step 7.
- Connect the unused black wire on the Cync switch to the traveler wire you labeled "Load" in Step 5.
- Be sure to cap off any remaining unused traveler wires.

Step 9:

After ensuring that all wires have been connected and unused wires capped off, carefully place the wiring back into the wall boxes. Install the switches into the boxes using the longer two #6-32 supplied screws. Install the cover plate with the two smaller #6-32 screws.

