Dead End 3-Way Install Instructions for 4-Wire (Neutral Required) 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. 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.
- Neutral connections in the wall box will have white insulation, be grouped together, usually tucked into the back of the box, and will NOT be connected to the switch. If there are already white insulated wires that are grouped together and NOT connected in any way to the switch, label this group "Neutral". If one of the wires in the traveler group going between the wall boxes has white insulation, this may be repurposed as a neutral connector and labeled "Neutral". It is best to use the white wire from the traveler group as a neutral going to the load-side box.
- 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".
- If one of the wires in the traveler group has white insulation and was labeled as "Neutral" in the line-side box, label it as "Neutral" also.
- Label either the red or black wire as "Line."
- Remember which color wire you labeled as "Line." This will be important in Step 7.

Step 6:
When all the wires are labeled, you may unwire the 3-way switches.

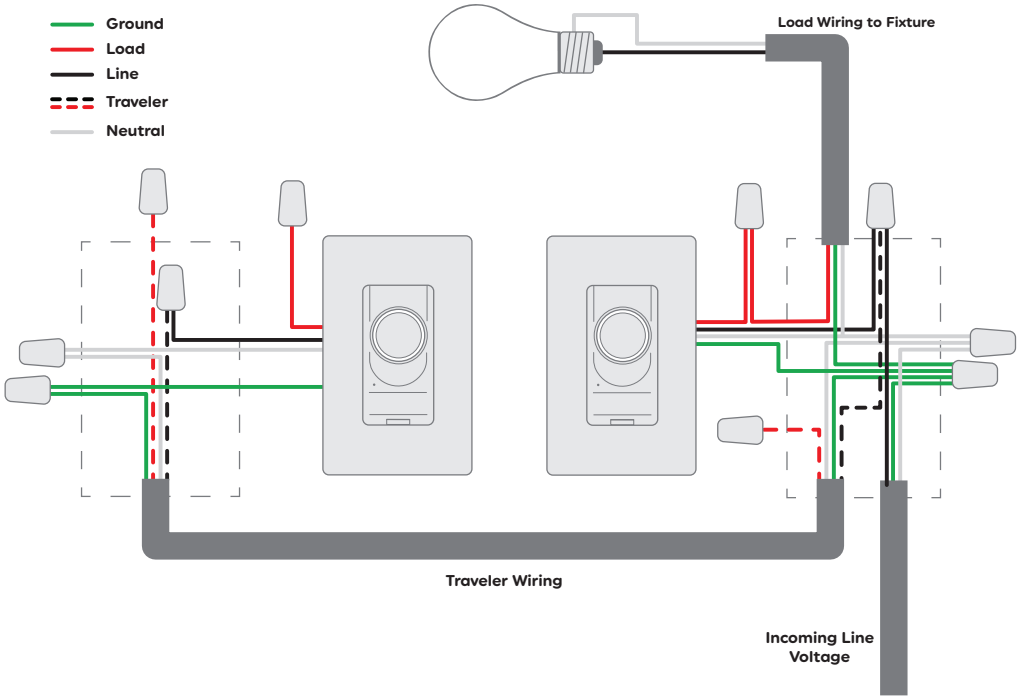
Step 7:
Starting at the line-side box:
- Connect the green wire on the Cync switch to the "Ground" wire.
- Connect the white wire of the Cync switch to the "Neutral" wires. If you are using the white wire from the traveler group as a neutral, connect this to the neutral wires as well.
- Connect the black wire of the Cync switch and the wire you labeled "Line" in the load-side box from Step 5 to the "Line" wire. If your Cync switch has two black wires, then either one may be connected to the "Line" wire.
- Connect the red wire or unused black wire on your Cync switch to the "Load" wire.
- 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 the white wire on the Cync switch to the "Neutral" wire.
- Connect the black wire on the Cync switch to the "Line" wire. If your Cync switch has two black wires, either one may be connected to the "Line" wire.
- Cap off the red wire or the unused black wire of the Cync switch with one of the supplied wire connectors.
- Be sure to cap off any remaining unused traveler wires.

Step 9:
After ensuring that all wires have been connected and 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.

Step 10:
Restore power to the circuit. The Cync switches should be powered on and the LED light ring or indicator flashing blue. If the Cync switches are powered and flashing blue, begin set up in the Cync App, powered by Savant.

Dead End 3-Way (Neutral Required Switch)



⚠ **CAUTION:** High Voltage
Disconnect power supply before servicing
Operation temperature: 0 to 40°C
For Control of Electronic Ballast, CFLs, LED, and LED Lamps
Type 1 Enclosure

IP20
Pollution Degree 2
Impulse Voltage: 2500V
Type 1.B action
Indoor use only