

Read and understand these instructions before installing luminaire. This luminaire is intended for installation in accordance with the National Electrical Code and local regulations. To assure full compliance with local codes and regulations, check with your local electrical inspector before installation. To prevent electric shock, turn off electricity at main power supply before proceeding. Retain these instructions for maintenance reference.

Vyv is not responsible for any injuries due to the improper installation or handling of its products.

Occupancy Sensor Control Interface

These schematics demonstrate how Vyv's Dual Mode light fixtures can interface with occupancy sensors. Vyv Dual Mode light fixtures have two modes: Antimicrobial+Light Mode (appears as a high-quality white light) and Enhanced Antimicrobial Mode (appears as a teal-violet light). The light fixture has a pair of Orange and Yellow wires that are used to select the mode. When the mode wires are unconnected (open), the light will be in Enhanced Antimicrobial Mode. When the Mode Wires are connected (closed), the light will be in Antimicrobial+Light Mode.

When installed correctly, the fixture will be in Enhanced Antimicrobial Mode when the room is unoccupied, and switch to Antimicrobial+Light Mode when someone enters the room.

Compatible Occupancy Sensors	Incompatible Occupancy Sensors
Low voltage occupancy sensors with internal relay	Low voltage occupancy sensors without internal relay Line voltage occupancy sensors

Wiring to Occupancy Sensor Relay

The orange and yellow Mode Wires are connected to the common and normally open (N.O.) contacts of the occupancy sensor relay, respectively. The N.O. contacts are closed when occupancy is detected, and open when the room is unoccupied. A low voltage DC power supply, or power pack, is required to convert line voltage to low voltage to power the occupancy sensor. Actual low voltage wire colors will vary depending on manufacturer and model.

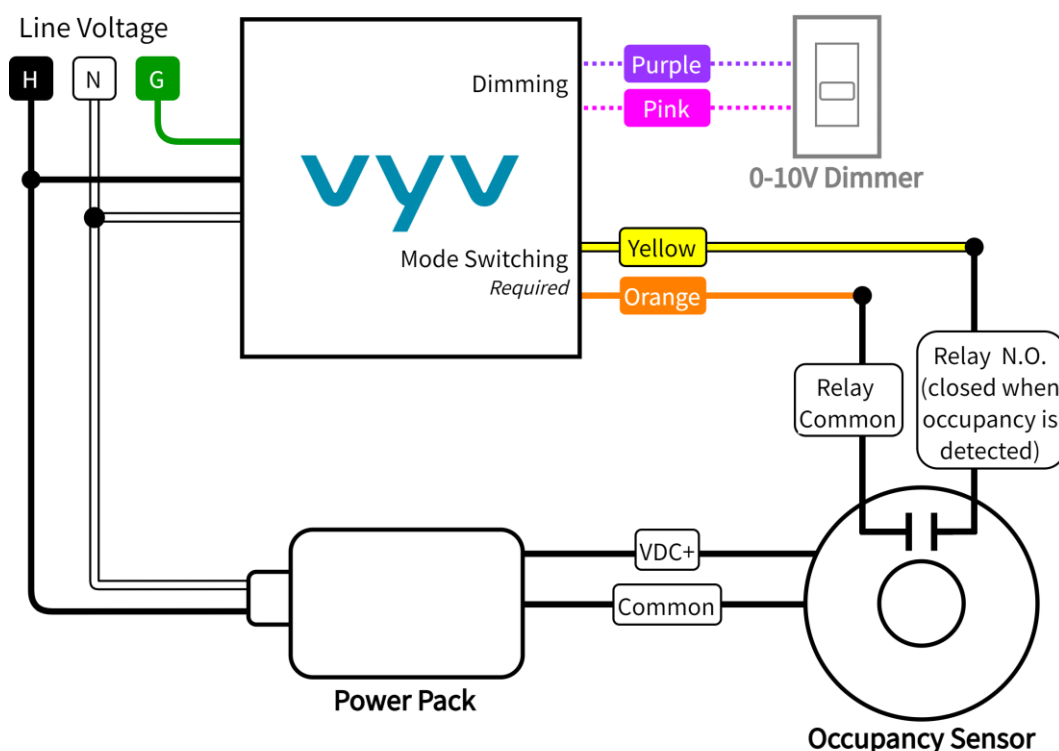


Figure 1: Vyv Dual Mode light fixture to occupancy sensor relay

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Wiring Multiple Vyv Fixtures

When a single occupancy sensor is used to control more than one Vyv light fixture, the multiple light fixtures are connected in **parallel**.

All orange wires are tied together and connected to the Common contact of the relay. All yellow wires are tied together and connected to the Normally Open (N.O.) contact of the relay.

Refer to Figure 2 for an example of multiple Vyv light fixtures wired together. When multiple occupancy sensors are used to control one group of light fixtures, wire the relays in parallel.

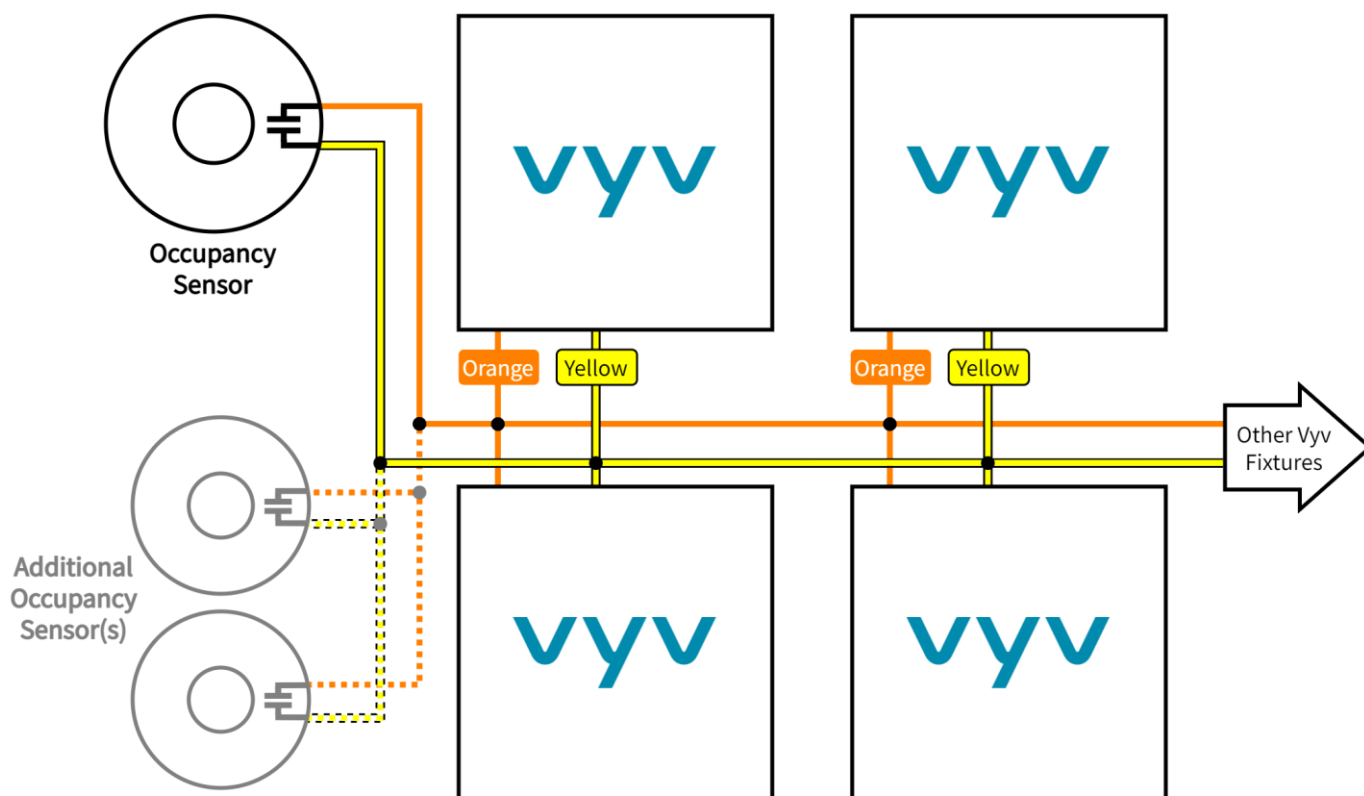


Figure 2: Wiring of multiple Vyv light fixtures to one or more occupancy sensors (power and dimming wires not shown)