



### Key Features

- Uses existing wall switches
- Up to 50% energy savings
- Bi-level lighting control with one power feed
- No need to re-circuit
- Installs easily in wiring compartment of light fixture
- Passive energy savings
- Can be used with Hubbell motion sensors
- 120 / 208-277V AC
- UL Listed, C-UL, CE approved

Hubbell's multi-level relays provide the perfect retrofit solution for bi- or tri-level lighting in existing buildings. Control is accomplished with a traditional single pole light switch. Turn the switch on and get the first level. Turn off and on again to get full power. This gives occupants more control over illumination in their area. The multi-level relay also provides savings. Using these relays also helps with the lighting power allowances in ASHRAE 90.1 and many local codes such as California Title 24.

Existing buildings are not typically wired to support bi-level or tri-level control methods. Hubbell's multi-level relays eliminate the need for running extra circuits and installing additional switches. The relays are designed to mount in fixture wiring trays for installation simplicity. This allows installers to quickly utilize bi-level ballasts or employ alternating fixture control to reduce energy use. Combining these relays with occupancy sensors further enhances savings by making sure lights go off when the area becomes unoccupied and then returning to the lower lighting level when occupants return.

### Features and Benefits

#### Features

Only one power feed required

Controlled by a standard wall switch

Sized to fit in fixture wiring trays

LED(s) indicate operation status

#### Benefits

Eliminates the need for re-circuiting for multi-level lighting applications in existing buildings.

Works with motion sensors, building automation systems or dedicated power packs.

Makes retrofit installation quick and easy.

Simplifies installation and commissioning.

### Applications

#### Multiple Ballast Light Fixtures

- Classrooms, offices, & high bay fluorescent fixtures

#### Step Dimming Ballast Control

- Eliminates dual wall switch control

#### Alternate Fixture Control

- High bay fixtures in box stores, gymnasiums, exhibition halls, & warehouses



# H-MOSS<sup>®</sup> Occupancy Sensors

# HUBBELL

Power Packs and Relays - Enclosed 10 Amp SPDT Relays

## Multi-Level Relays

Description	Catalog Number
Enclosed Independent Control for Multiple Ballast Light Fixtures from One Existing Wall Switch, Bi-Level; 120/208-277V AC	<b>AARBL2</b>
Enclosed Independent Control for Multiple Ballast Light Fixtures from One Existing Wall Switch, Tri-Level; 120/208-277V AC	<b>AARBL3</b>

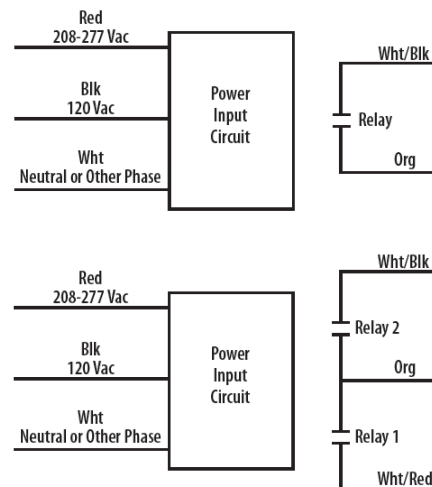


### Specifications

<b>Input Power</b>	120 / 208-277V AC
<b>Contact Ratings</b>	5 Amp Ballast @ 120-277V AC 5 Amp Incandescent @ 120V AC
<b>Operating Temperature</b>	-30° to 140° F
<b>Humidity Range</b>	5% to 95% (non-condensing)
<b>Dimensions</b>	3.75" x 1.66" x 1.18" (95.25mm x 42.16mm x 29.97mm)
<b>Weight</b>	0.20 lbs. (AARBL2); 0.24 lbs. (AARBL3)
<b>Wire Length</b>	6.00 inches
<b>Certifications</b>	UL and cUL Listed, CE
<b>Warranty</b>	1 year

### Installation

1. Turn power off at the service panel.
2. Wire as shown in the Wiring Diagram section.
3. Reenergize circuit and verify operation by toggling lights on and off.

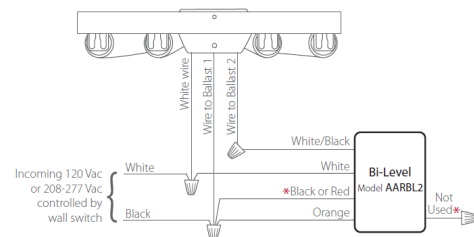


### Wiring Diagrams

Wall switch can be replaced by switching devices such as contactors, relays, or controllers.

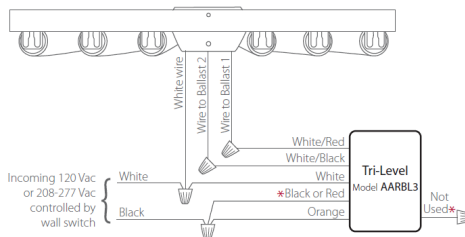
#### Multiple Ballast Light Fixtures

Classrooms, offices, & high bay fluorescent fixtures



#### Bi-Level AARBL2

Switch ON: activates Ballast 1 Only (50% light)  
Switch OFF, then ON: activates Both Ballasts (Full light)

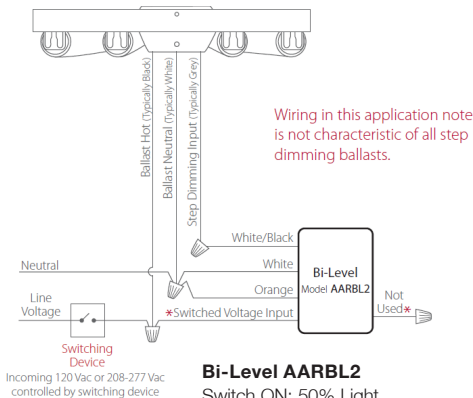


#### Tri-Level AARBL3

Switch ON: activates Ballast 1 Only  
Switch OFF, then ON: activates Ballast 2 Only  
Switch OFF, then ON: activates Both Ballasts (Full light)

#### Step Dimming Ballast Control

Eliminates dual wall switch control

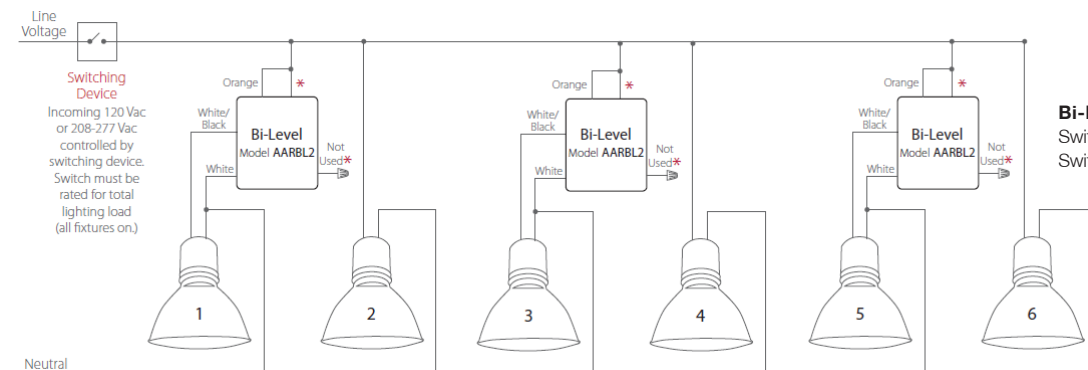


#### Bi-Level AARBL2

Switch ON: 50% Light  
Switch OFF, then ON: Full Light

#### Alternate Fixture Control

High bay fixtures in box stores, gymnasiums, exhibition halls, & warehouses  
Start up and restart times may vary depending on fixture.



#### Bi-Level AARBL2

Switch ON: Every Other Light On  
Switch OFF, then ON: All Lights On

\* For 120V AC systems, Black wire is used, Red wire is not used. For 208-277V AC systems, Red wire is used, Black wire is not used.

**HUBBELL**<sup>®</sup>  
Wiring Device-Kellems

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