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# Plug & Play Energy Saving Device for Lighting

## Up to 50% Energy Savings & Works with All Lighting

### **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



For more details, pricing and availability, call toll free 800.888.5538 or visit www.Half-Light.com



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#### Description

The Half-Light<sup>™</sup> Series installs in the wiring compartment of almost any light fixture and uses existing switches to start lighting levels at 50% and then can be sequenced to full light.

#### Specifications

See below.

#### **Features**

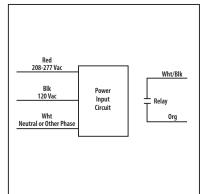
- Up to 50% energy savings
- Potential 2 year payback
- Does not change voltage waveform
- Installs easily in wiring compartment of light fixture
- Uses existing wall switch
- Bi-level lighting control
- Passive energy savings
- Can be used with most motion sensors (mechanical switching)
- Low cost
- 120 / 208-277 Vac
- Made in USA
- UL Listed, C-UL, CE approved



#### Two Stage and Three Stage Half-Light<sup>™</sup> Controllers

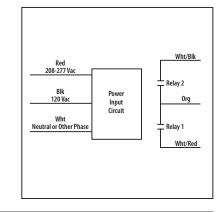
#### HAF2

Enclosed Independent Control for Multiple Ballast Light Fixtures from One Existing Wall Switch, **Two Stage**; 120/208-277 Vac



#### HAF3

Enclosed Independent Control for Multiple Ballast Light Fixtures from One Existing Wall Switch, Three Stage; 120/208-277 Vac



#### Specifications

 Input Power:
 120 / 208-277 Vac

 Contact Ratings:
 5 Amp Ballast @ 120-277 Vac

 5 Amp Incandescent @ 120 Vac

 Operating Temperature:
 -30 to 140° F

 Humidity Range:
 5 to 95% (non-condensing)

 Dimensions:
 3.75" x 1.66" x 1.18"

 Weight:
 0.20 lbs. (HAF2); 0.24 lbs. (HAF3)

 Wire Length:
 6.00"

 Approvals:
 UL Listed, C-UL, CE

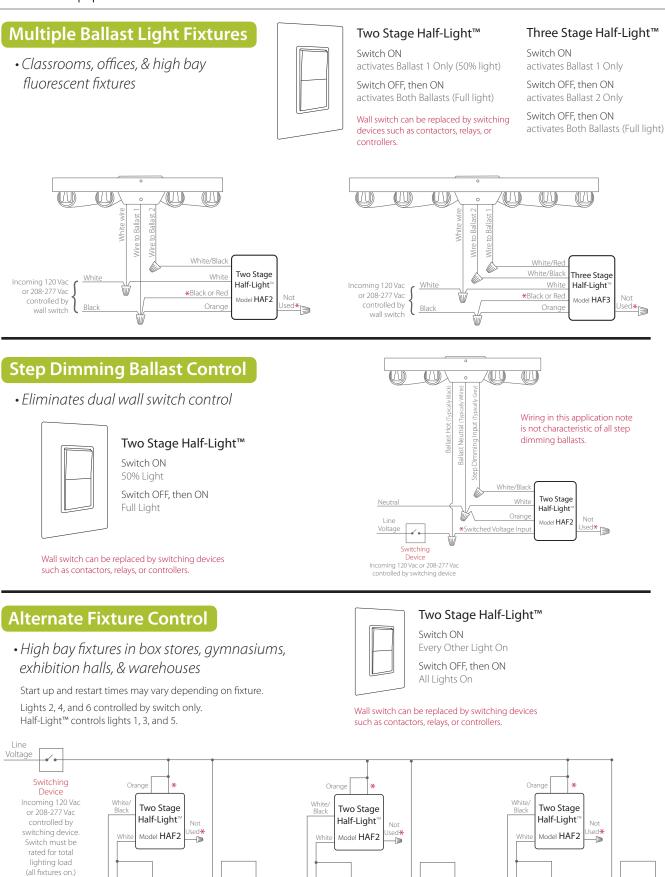
 Power Consumption:
 Refer to www. Half-Light.com for details

Device

#### See next page for bi-level and step dimming applications.



#### Three Applications



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

Neutral

#### 1. **Physical Characteristics**

- 1.1. The controller shall be mountable within a ballast channel or compartment.
- 1.2. The controller shall be furnished with integral color coded leads
- 1.3. The controller shall be housed in plastic.
- 1.4. The controller shall have LED(s) indicating sequence status of the outputs.
- 1.5. The controller shall have two screw tabs for mounting

#### 2. Performance Requirements

- 2.1. The controller output shall be an electro-mechanical relay capable of switching 5A Ballast at 120-277Vac and 5A Incandescent at 120Vac.
- 2.2. The controller input shall be controlled from any device that mechanically switches the input mains.

#### 3. Regulatory Requirements

- 3.1. The controller shall not contain any Volatile Organic Compounds (VOCs).
- 3.2. The controller shall be Underwriters Laboratories, Inc. UL Listed, C-UL, 916 Energy Management Equipment.
- 3.3. The controller shall comply with Section 1605 of the American Recovery and Reinvestment Act "Buy American Requirements"

#### 4. Other

- 4.1. The manufacturer shall have at least a forty-year history of producing electronic products for the North American market.
- 4.2. The manufacturer shall be American owned.
- 4.3. The controller shall be manufactured in the USA.