Plug & Play Energy Saving Device for Lighting
Up to 50% Energy Savings & Works with All Lighting

**HAF2**
Enclosed Independent Control for Multiple Ballast Light Fixtures from One Existing Wall Switch, Two Stage; 120/208-277 Vac Power Input

**HAF3**
Enclosed Independent Control for Multiple Ballast Light Fixtures from One Existing Wall Switch, Three Stage; 120/208-277 Vac Power Input

### 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, UL916, C-UL
- **Power Consumption:** Refer to www.Half-Light.com for details

### Two Stage & Three Stage Half-Light® Ballast Controllers

- **HAF2**
- **HAF3**

Made in USA
Meets "Buy American" of ARRA 2009
Patent Pending

 Bulletin B1337
393145F
Three 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

Start up and restart times may vary depending on fixture.
Lights 2, 4, and 6 controlled by switch only.
Half-Light® controls lights 1, 3, and 5.

Three Stage Half-Light®
Switch ON
Activates Ballast 1 Only (50% light)
Switch OFF, then ON again
Activates Both Ballasts (Full light)

Wiring in this application note is not characteristic of all step dimming ballasts.

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

Wiring in this application note is not characteristic of all step dimming ballasts.

Two Stage Half-Light®
Switch ON
50% Light
Switch OFF, then ON again
Full Light

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

Wiring in this application note is not characteristic of all step dimming ballasts.

Two Stage Half-Light®
Switch ON
Every Other Light On
Switch OFF, then ON again
All Lights On

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

* 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.