

## INTENDED USE

To provide direct dimming and switching control of fluorescent fixtures equipped with four-wire (0-10 VDC) dimming ballasts.

## ATTRIBUTES

Fluid slide movement allows fine adjustment of light level over the entire dimming range. Separate ON/OFF preset switch permits switching the lighting without disturbing the light level setting. An integral LED indicator turns ON when the dimmer is OFF to facilitate location in a dark room. ISD Series controls are compatible with Decora® style devices.

## CONSTRUCTION

Strap-mount device is designed to fit standard single- or multi-gang switch boxes.

## FINISH

Standard white or ivory finish devices are supplied with a single-gang Decora® style wallplate. Snap-on color change kits are available allowing field color change of the device to gray, almond, white, red, or ivory. Color change kits include a matching single-gang Decora style wallplate.

(Decora® is a registered trademark of Leviton®.)

## ELECTRICAL

Uses standard single-pole or three-way wiring. No neutral connection is required. Separate low voltage connection to luminaire for 0 to 10-volt control signal.

Dual rated for 120 and 277VAC ballast loads.

For additional switching capacity, use in conjunction with PP20 power control station.

## FUNCTIONAL

Integral push ON/push OFF switch allows lighting to be switched ON and OFF at the level currently set by the slider. Ballast controller can be used with standard three-way and four-way switches for applications requiring control from multiple locations.

## INSTALLATION

Wall mounts over standard single-gang switch box. Devices can be ganged into multi-gang assemblies by breaking off the scored aluminum tabs.

## LISTING

UL Listed. CSA Certified.

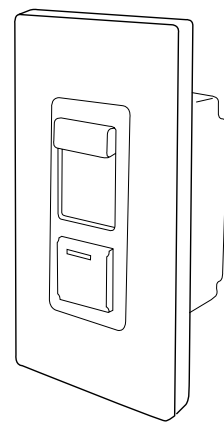
## Warranty

3-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**Note:** Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.



## ISD BC Fluorescent Fixture Slide Dimmer



Shown with optional screwless wallplate  
(order separately)

NOTE: Acuity Brands recommends the use of the SPODMRD for LED applications

## ORDERING INFORMATION

Example: ISD BC 120/277 WH			
Series	Type	Voltage	Color <sup>1</sup>
ISD	BC Ballast controller	120/277 Dual voltage	IV Ivory WH White

**Accessories: Order as a separate catalog number.**

### Finish

ISD CCKIT \_\_ Color change kit, specify WH (White), IV (Ivory), GY (Gray), AL (Almond), or RD (Red).

### Notes:

1. ISD dimmers are supplied with standard wallplates.

## SPECIFICATIONS

### ELECTRICAL

- Input: 120/277 VAC @ 50/60Hz (switch only).
- Standard three-way operation (ON/OFF only).
- Maximum Sink current 25mA
- Maximum low voltage control loading fifty (50) ballasts.
- Maximum switch rating: 1200W 120VAC, 1500W 277VAC.
- Use with PP20 power control station for full 16A switching capacity. Operates three PP20 power packs per ballast controller.
- No derating is required for multi-gang mounting.
- Compatible with Advance Mark VII®, OSRAM Sylvania Quicktronic Helios™ or equivalent electronic dimmable ballasts.

**Advance Mark VII, RZT Series** 100% to 1% continuous

**SYLVANIA, Helios** 100% to 1% continuous

- Compatible ballast control ranges (Subject to change without notice; contact ballast manufacturer for current specs.):
- Compatible with Lutron Hi-Lume or ECO-10 ballasts with the LEQ FDBI interface.
- Consult factory for 347VAC or low voltage only switching requirements.

### MECHANICAL

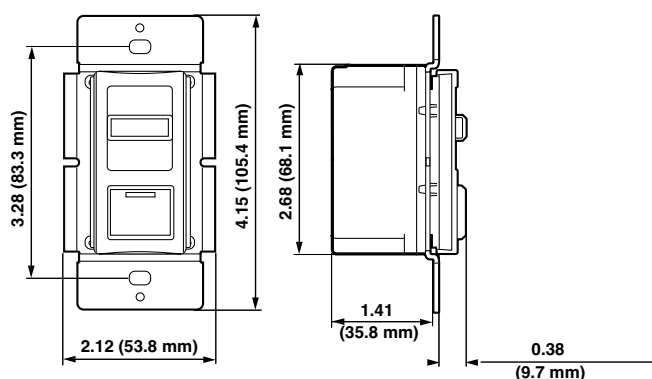
- Captured wrap-around slide mechanism, 20mm total travel.
- Air-gap push ON/OFF preset switch.

### ENVIRONMENTAL

- Operating range, 0 – 55o C, 20 – 90% relative humidity, non condensing.

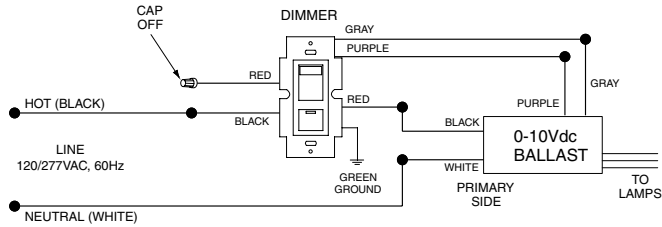
## DIMENSIONS

All dimensions are inches (millimeters).

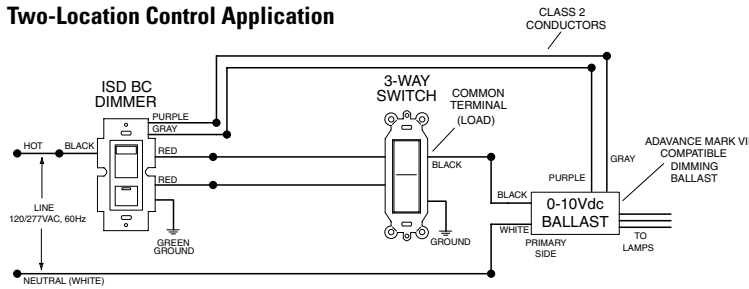


# Wiring Diagrams

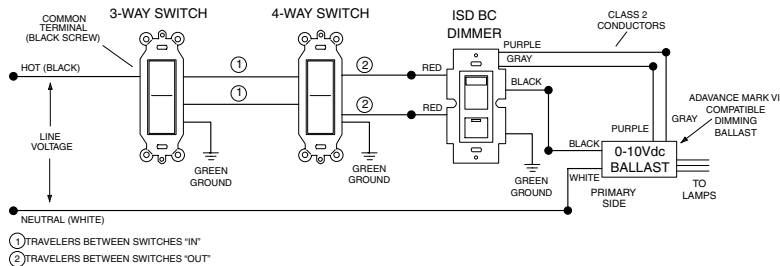
## Single-Location Control Application



## Two-Location Control Application



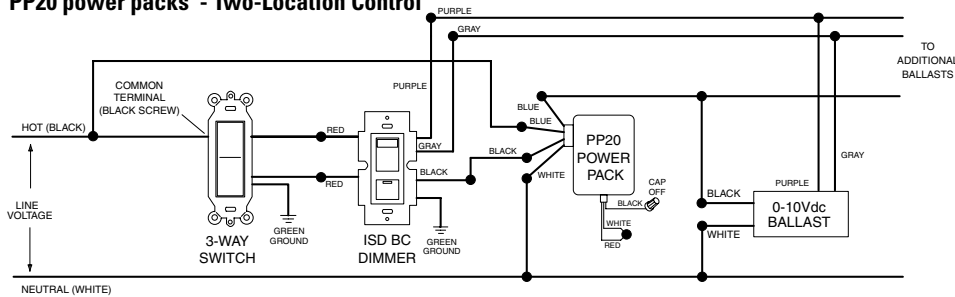
## Three-Location Control Application



### NOTES:

- 1 Follow NEC and any local codes for Class 2 conductors.
- 2 Consult factory for complete class 2 installation instructions.

## PP20 power packs - Two-Location Control



## PP20 power pack - Single-Location Control

