



Catalog Number	
Notes	Type

## FEATURES

### 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 the DSA Series wallplates and other 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 to gray, black, brown, almond, white, 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

Three-year limited warranty. Complete warranty terms located at:

[www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

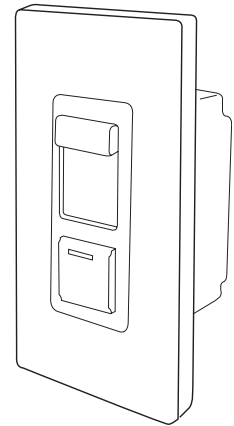
Note: Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.

## Wallbox Dimmers

# ISD BC

## FLUORESCENT FIXTURE SLIDE DIMMER



Shown with optional DSA FP D1 WH screwless wallplate (order separately)

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

## ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog number.

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

Example: **ISD BC 120/277 WH**

### NOTE:

<sup>1</sup> ISD dimmers are supplied with standard wallplates. Order optional IV ivory or WH white screwless designer wallplates to match dimmer if desired.

### Accessories

Order as separate item.

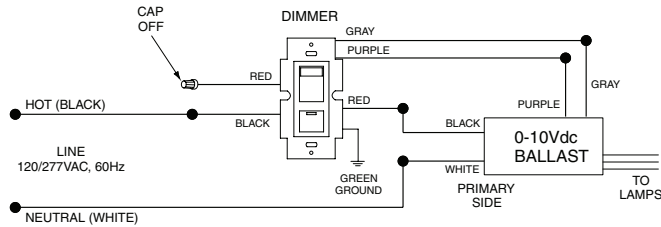
<b>ISD CCKIT</b> __	Color change kit, specify WH (White), IV (Ivory), GY (Gray), BR (Brown), BK (Black) or AL (Almond).
<b>DSA FP D#</b> __	Ivory screwless thermoplastic wallplate for ISD or Decora® compatible devices. Specify number of gangs (# = 1 to 6) and color [WH (white), IV (ivory), GY (gray), BR (brown), BK (black) or AL (almond)].

Note: Consult factory for color availability in multi-gang plate configuration.

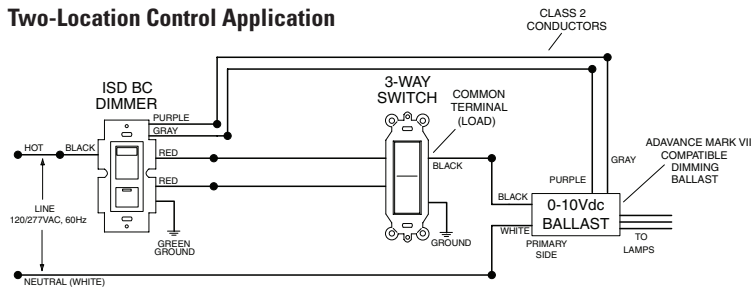
# ISD BC LED and Ballast Controller

## WIRING DIAGRAMS

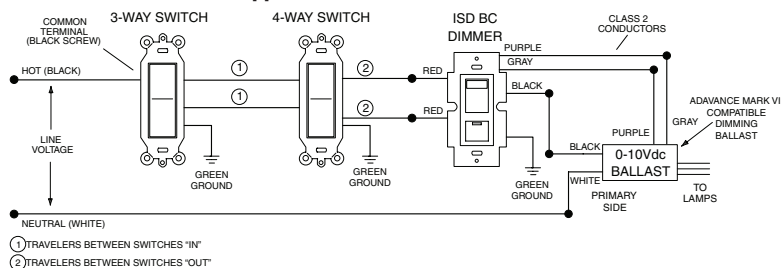
### Single-Location Control Application



### 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.

## 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.
- Compatible ballast control ranges (Subject to change without notice; contact ballast manufacturer for current specs.):

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

- Compatible with Lutron Hi-Lume or ECO-10 ballasts with the LEQ FDBI interface.
- Consult factory for 347VAC or low voltage only switching requirements.

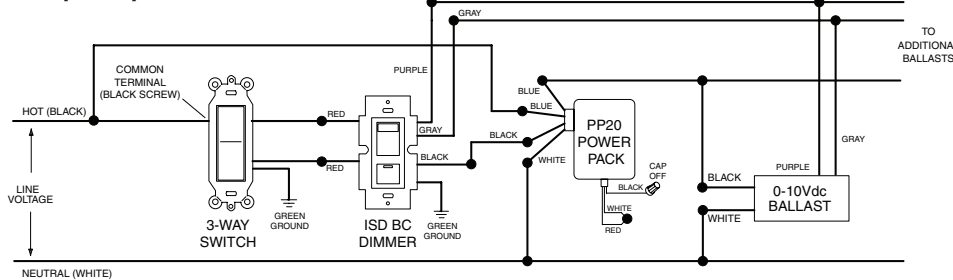
### MECHANICAL

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

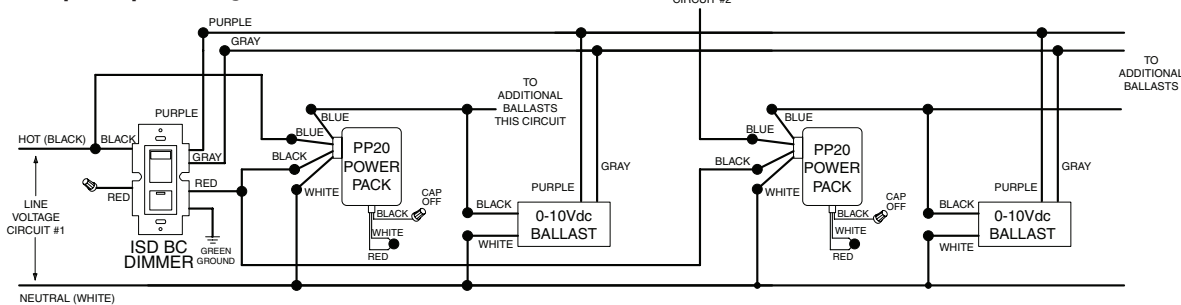
### ENVIRONMENTAL

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

### PP20 power packs - Two-Location Control



### PP20 power pack - Single-Location Control



## DIMENSIONS

All dimensions are inches (centimeters).

