

# decora® **IllumaTech®** **Preset Slide** **& Rotary** **Controls**



IP710



IPL06-10



RTF01

## **APPLICATIONS**

IllumaTech® Slide and Rotary Controls are designed for both single pole or 3-way applications. IllumaTech Preset Slide Controls feature a smooth, captured slide bar for fine adjustment of lighting levels and an easy to use push button that provides preset ON/OFF switching. Color change kits simplify inventory by diminishing the need for stocking separate devices in every color.

IllumaTech Rotary Fan Speed Controls combine the ease of a traditional rotary knob with the contemporary look of Decora®.

## **FEATURES AND BENEFITS**

- Provides single pole or 3-way lighting control when used with a 3-way switch
- LED illuminates when load is off (select models)
- Appearance complements interiors and is compatible with other Decora devices
- Compatible with Decora Plus™ screwless and Decora standard designer wallplates
- Built-in radio/TV interference filter
- Fit easily into a standard wallbox and are suitable for multi-gang installations
- Six product options in each box with three changeable faceplates and single pole or 3-way functionality when used with a 3-way switch

### **IllumaTech Preset Slide Controls**

- Fluid slide movement allows fine adjustment of light level with minimal effort
- Captive wraparound slide bar remains securely attached
- Easy to use push button switch with green LED locator
- Push button switch acts as an air gap switch completely disconnecting power from unit for bulb changing
- Slide controls travel approximately 20mm
- Power failure recovery ensures retention of last setting before power interruption

### **IllumaTech LED/CFL/Incandescent Dimmer**

- IPL06 is designed for optimal control of dimmable LED and CFL lamps. Also compatible with incandescent and halogen
- Wider dimming range on LED and CFL lamps than conventional incandescent dimmers
- Optional programming feature allows for users to modify the dimming range to optimize low light level performance when required

### **IllumaTech 0-10V LED/Fluorescent Dimmer**

- IP710 dimmers are designed specifically for use with LED fixtures using 0-10V power supplies and Mark 7® 0-10V fluorescent ballasts
- Dual voltage 120V/277V; 28 mAmps maximum sink current
- No power pack required for switching

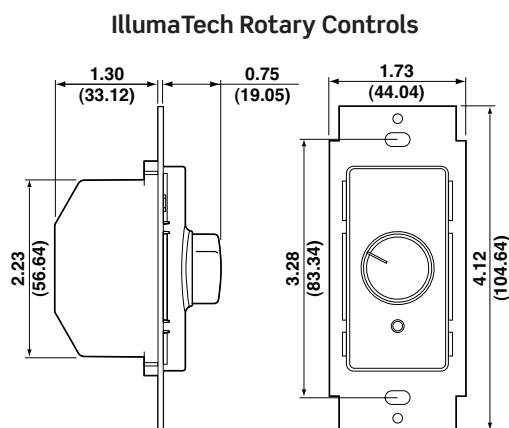
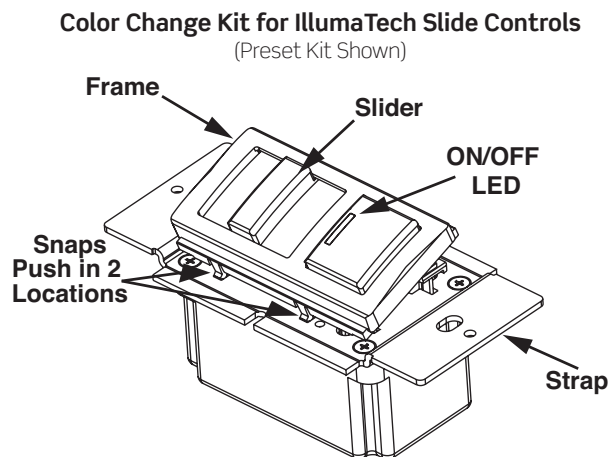
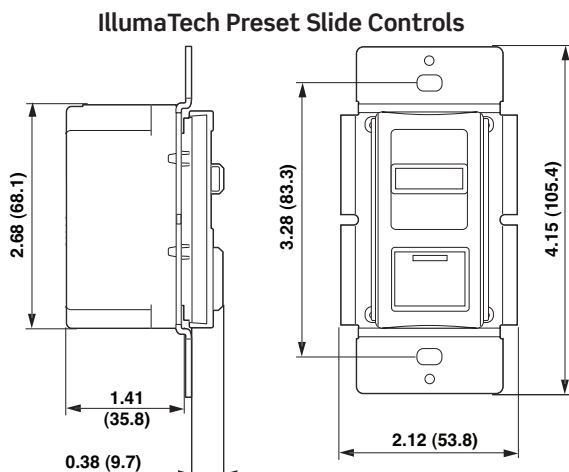
### **IllumaTech Rotary Fan Speed Control**

- Rotary knob with contemporary styling
- Quiet 1.5 Amp fan speed controls are ideal for bedrooms, libraries, study rooms and any area where ceiling fan noise could become distracting. Full range 5 Amp fan speed control also available

## **SPECIFICATIONS**

- Operating 0°C - 55°C
- Non-operating 10°C - 85°C
- Relative humidity, non-condensing 20% to 90%

## DIMENSIONAL DRAWINGS



### AGENCY STANDARDS AND COMPLIANCE

- UL Listed (File #E-31373)
- CSA Certified (File #LR-3413)

### INSTALLATION CONSIDERATIONS

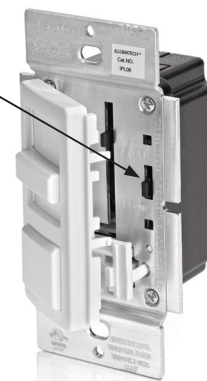
Note: Sharing a neutral wire may cause flickering. Connect all devices to the same phase or run a separate neutral to each phase. Consult Leviton Techline if problems persist.

Warning: When retrofitting Mark 10® Powerline dimming ballasts into fixtures that originally had Instant Start ballasts, the sockets MUST be replaced with Rapid Start sockets to allow proper dimmer operation and prevent property damage, injury or death. Refer to the instructions provided with the ballast and the Leviton dimmer.

**IPL06:** LED and CFL lamps marked or rated as dimmable can be used with this dimmer. For a complete list of approved LED lamps visit [www.leviton.com/led](http://www.leviton.com/led)

Use Leviton Power Extenders to extend the load capacity of box mounted dimmers. Leviton Power Extenders are available for incandescent, magnetic low voltage, electronic low voltage, Mark 10® Powerline fluorescent dimming ballasts or equivalents and 0-10 VDC dimmable fluorescent ballasts such as Mark 7® 0-10V, OSRAM Sylvania Quicktronic® Helios™ or equivalent ballasts.

### Lamp Selector/Optional Programming Switch



- Switch has an optional programming mode allowing users to change the dimmer low light settings for applications where the user experiences unstable light or flicker.
- LED/Incandescent mode provides optimized dimming for LED lamps and for incandescent operation.
- CFL mode provides a higher starting voltage that is required for some LED and CFL lamps.

### Leviton Mfg. Co., Inc.

201 North Service Road, Melville, NY 11747 Tech Line: 1-800-824-3005 Fax: 1-800-832-9538 [www.leviton.com](http://www.leviton.com)

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## Maximum Load for Multi-Gang Applications

In multi-gang applications derating may be required in accordance with the following chart. Many controls have side sections and fin removal is required (consult instruction sheets for further details).

CAT. NO.	SINGLE	2-GANG	3-GANG OR MORE
IPL06-10	600W Incandescent 150W LED/CFL	500W Incandescent 150W LED/CFL	400W Incandescent 150W LED/CFL
IPI10-1L	1000W	800W	700W
IPE04-1L	400VA (320W)	350VA (280W)	250VA (200W)
IPM06-1L	600VA (450W)	500VA (375W)	400VA (300W)
IPM10-1L	1000VA (800W)	800VA (640W)	700VA (560W)
IP710-DL	10A LED (120/277VAC) 1200VA @ 120VAC 1500VA @ 277VAC	10A LED (120/277VAC) 1200VA @ 120VAC 1500VA @ 277VAC	10A LED (120/277VAC) 1200VA @ 120VAC 1500VA @ 277VAC
IP710-D0	10A LED (120/277VAC) 1200VA @ 120VAC 1500VA @ 277VAC	10A LED (120/277VAC) 1200VA @ 120VAC 1500VA @ 277VAC	10A LED (120/277VAC) 1200VA @ 120VAC 1500VA @ 277VAC
IP710-LF	10A LED (120/277VAC) 1200VA @ 120VAC 1500VA @ 277VAC	10A LED (120/277VAC) 1200VA @ 120VAC 1500VA @ 277VAC	10A LED (120/277VAC) 1200VA @ 120VAC 1500VA @ 277VAC
IPX06-10	600VA	500VA	400VA
IPX10-10	1000VA	800VA	700VA
IPX06-70	600VA	600VA	600VA
IPX12-70	1200VA	1200VA	1200VA
IPF01-1L	1.5A	1.5A	1.5A
IPF05-1L	5A	4.1A	3.3A
RTF01-10	1.5A	1.5A	1.5A

## WARRANTY INFORMATION

■ Limited Five-Year Warranty

## WIRING DIAGRAMS

DIAGRAM 1

### Single Pole Wiring

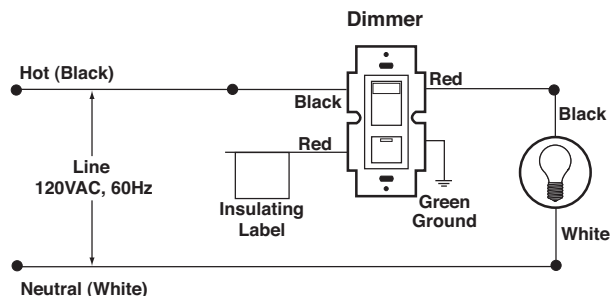
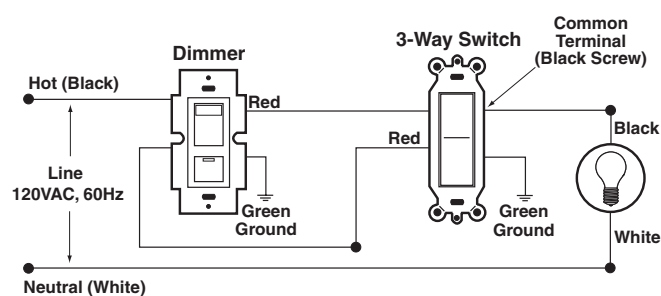


DIAGRAM 2

### 3-Way Wiring



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## ORDERING INFORMATION

All IllumaTech Preset and Rotary Dimmers provide single pole or 3-way control when used with a 3-way switch.

DESCRIPTION	CAT. NO.	RATING	COLOR
LED/CFL/Incandescent Dimmer, no LED	IPL06-10	150W LED/CFL 600W Incandescent	Z
Incandescent Dimmer with LED locator	IPI10-1L	1000W-120VAC	Z
Magnetic Low Voltage Dimmer with LED locator	IPM06-1L	600VA (450W)-120VAC	Z
Magnetic Low Voltage Dimmer with LED locator	IPM10-1L	1000VA (800W)-120VAC	Z
Electronic Low Voltage Dimmer with LED locator; neutral required	IPE04-1L*	400VA (320W)-120VAC	Z
Fluorescent Dimmer for Mark 10® Powerline Ballast, no LED locator	IPX06-10	600VA-120VAC	Z
Fluorescent Dimmer for Mark 10® Powerline Ballast, no LED locator	IPX06-70	600VA-277VAC	Z
Fluorescent Dimmer for Mark 10® Powerline Ballast, no LED locator	IPX10-10*	1000VA-120VAC	Z
Fluorescent Dimmer for Mark 10® Powerline Ballast, no LED locator	IPX12-70	1200VA-277VAC	Z
0-10V LED/Mark 7® Fluorescent Ballast Dimmer, no LED locator	IP710-DL	10A LED (120/277VAC) 1200VA @ 120VAC 1500VA @ 277VAC 28mA Sinking Current	Z
0-10V LED/Mark 7(R) Fluorescent Ballast Dimmer, no LED locator	IP710-D0	10A LED (120/277VAC) 1200VA @ 120VAC 1500VA @ 277VAC 28mA Sinking Current	Z
NAFTA Version 0-10V LED/Mark 7® Fluorescent Ballast Dimmer with LED locator	IP710-LF	10A LED (120/277VAC) 1200VA @ 120VAC 1500VA @ 277VAC 28mA Sinking Current	Z
Quiet Fan Speed Control with LED locator	IPF01-1L	1.5A-120VAC	Z
Fully Variable Fan Speed Control with LED locator	IPF05-1L	5A-120VAC	Z
Quiet Fan Speed Control, single pole only, no LED locator	RTF01-10	1.5A-120VAC	Z

\* NAFTA Compliant models available. For more information visit [www.leviton.com/nafta](http://www.leviton.com/nafta)

## Color Change Kits for IllumaTech Slide Controls

DESCRIPTION	CAT. NO.	COLOR*
Color Change Kit	IPKIT-00	W, I, T, G, E, R, B
Color Change Kit for IPL06; no LED	IPKIT-LN	W, I, T, G, E, R, B
Color Change Kit for Fan Speed Control	IPQFK-00	W, I, T, G, E, R, B

IllumaTech controls come packaged with three colors. Products with suffix (-Z) include White, Ivory and Light Almond. Color Change Kits for IllumaTech Preset Slide Controls available in the following colors: White (-W), Ivory (-I), Light Almond (-T), Gray (-G), Black (-E), Red (-R) and Brown (-B).

Mark 10® *Powerline* and Mark 7® 0-10V are registered trademarks of Advance Transformer Co.  
Decora and IllumaTech are registered trademarks and Decora Plus is a trademark of Leviton Manufacturing Co., Inc.

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