Not every home or commercial premises is the same. Construction methods vary. Some homes and premises may have cavity walls with plasterboard or Gyprock. Others may have solid brick construction in internal walls and / or throughout. In order to satisfy almost all construction methods the PLLC UPB intelligent energy saving lighting control has several install options to satisfy almost all construction criteria for new and existing premises alike.

As a result an existing of virtually any era of construction (from the most humble heritage home to a stately manor) can be retrofitted with PLLC UPB lighting control without need to route walls and make good.

1. ‘Krystal’ range for Brick Veneer or Cavity wall Construction.

**Construction Type:** Brick Veneer / Cavity mountings. No bracket required as uses own “Butterfly” mechanism which secures faceplate to wall. Metal plates are also available as an alternative.

**Configuration:** 1, 2, 4 and 6 Gangs of UPB Slave units. Must be linked to one or more “Master DIMMERS” 2 and 4 Gang Units, housing One (1) or Two (2) x 250 Watt Dimmers. Two (2) buttons / switches required for each dimmer as an “UP” or “Down” function. Dimmers are distinguished by an “Arrow” on each button. 2 x buttons / switches required for each dimmer.

4 Gang faceplates, housing 1 x Dimmer and 2 x UPB Slave switches (total of 4 buttons / switches) 6 Gang faceplates, housing 1 x Dimmers and 4 x UPB Slave switches (total of 6 buttons / switches)

**Or**

6 Gang faceplates, housing 1 x Dimmer (Hidden) and 6 x UPB Slave switches (total of 6 buttons / switches). Note (Hidden) dimmer can only be accessed by removing faceplate cover for set-up or default function.

"your home in a whole new light ...."
2. For Solid Brick / Solid Wall Installation.

*Construction Type:* Solid Brick / Solid Wall mountings. Bracket required and faceplate screws into metal plate...(screws provided).

*Configuration:* 1, 2, 4 and 6 Gang of UPB Slave units. Must be linked to one or More "DIMMERS". 2 Gang Faceplate, housing One (1) dimmer. 2 buttons / switches required for dimmer as an "UP" or "Down" function. Dimmer is distinguished by an "Arrow" on each button. 2 x buttons / switches required for each dimmer. 1, 2, 4 and 6 Gang Mechanical switches for 240 Volt.

*Setup:* Setup is done by simple removing front face plate. Two (2) buttons / switches are easily accessible to place units in Setup or Default mode.

*Specification:* Houses 1 to 6 Gang UPB SLAVE Switches, which can be linked to Individual Dimmer or multiple Dimmers. In this application Dimmers are housed in separate locations e.g.....roofs....cupboards....or faceplates which house 250 Watt dimmers.

*NOTE:* In most brick applications a hole or cut-out is usually done large enough to install the Krystal Range "Butterfly"

3. MECHANICAL 240 Volt On/Off function Plus UPB COMBO

*Construction Type:* Used in applications where not every faceplate needs to be UPB and some areas may have a need for say 2 UPB and say 2 x 240Volt mechanicals on the same faceplate.


Houses 1 to 6 Gang UPB SLAVE Switches, which can be linked to Individual Dimmer or multiple Dimmers. In this application Dimmers are housed in separate locations; e.g.....roofs....cupboards....or faceplates which house 250 Watt dimmers.

*Setup:* by simply removal of front face plate. Two (2) buttons / switches are easily accessible to place units in Setup or Default mode.

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Ph 61 (0) 2 9748 0098 Fax +61 (0) 2 9748 0093
3. DIN-RAIL DIMMER

**Construction Type:** For those applications where different voltages are required e.g. 250....400.... 500.....600 + watts or wattage as required (on request), or applications where flat ceilings leave no room for high wattage roof dimmers. Din Rail mountable, providing easy access for future upgrading. Ideal for control of large Lighting loads (chandeliers etc)...motors etc.

**Specification:** In this application Dimmers are housed in separate locations e.g.....roofs....cupboards....or faceplates which house 250 Watt dimmers..

**Setup:** Done by use of the two (2) buttons / switches on face of Din Rail Dimmer.

4. 250W In-Line Module.

**For use with 3rd. Party Momentary switches.**

**Construction Type:** For those applications where 3rd party faceplates with “Bell Press” or “momentary” switches may be in use and the customer does not want to change faceplates but desires to keep existing faceplate or desires a third party face plate / switch assembly. Ideal for "retrofit“ situations . Unit is placed behind 3rd party faceplates in wall cavity or ceiling space. Switches must be bell press or momentary type.

**Configurations:**
- a) 1 x 250 Watt UPB Dimmer which can be wired to 2 x gang 3rd party faceplate or 2 x 250 watt UPB Dimmer... can be wired to 4 x gang 3rd party faceplate
- b) 1 x 250 Watt UPB Dimmer plus two or four UPB Slave which can be wired to 4, or 6 x gang 3rd party faceplate with momentary switches,
- c) 6 x UPB Slave.... can be wired to 6 x gang 3rd party faceplate.

**Setup:** Done by use of the buttons / switches on face of In-Line Module.

**CONDITIONAL:** Please speak to PLLC to confirm availability at time of request

5. 250W / 10 amp Appliance Module.

**Application:** For those applications where external devices such as Coffee Kettle...Table Lamp ....TV/Stereo or any device that you may want to “Plug In”, and control.

**Setup:** Done by use of the buttons / switches on face of appliance Module.

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5. 40 AMP RELAY Module

**Application:** Used for e.g. Pool Pumps ...or applications such as high current ON and OFF functions.  
**Setup:** Done by use of the two (2) buttons / switches on face of Module.