UPB or Universal PowerLine BUS is a standard which transmits the protocol or communications signal / instructions over the existing electrical power lines in a residence to intelligently control lighting. PLLC UPB intelligent energy saving lighting control adds ambience, security and saves energy in any residence, established or new. PLLC UPB requires no new wiring, so it is ideal for new and established premises without sacrifice to features and benefits resulting in a much lower purchase and installation cost compared with other systems requiring CAT5e cable.

Developments by PLLC Pty. Ltd. in Australia for the World Wide UPB 240 Volt market has produced a range of integrated dimmer / designer switches, DIN rail mountable dimmers, Appliance relays and Dimmers...to name a few. The PLLC UPB 240V Generation II, (Gen II), range offers a wide market appeal with designer style plates and switches and a full range of offerings to suit varying installation criteria.

**Appliance & Relay modules** and UPB / Mechanical combo switches have also been added. See wiring diagram below for details.

**Our designed glass face plates** / switches come in a variety of colours to suit any décor.

**Much more than a lighting control system:**
Our range of appliance modules allow the control of a standard lamp to a pool pump. Add in the full compliancy with approved Media and Home Control touch screen systems and the **HAI Omni** range of security and automation controllers and the PLLC 240V UPB lighting control becomes a fully integrated, scaleable lighting & appliance control system converged with the best security and automations systems available. Install stand alone or integrated with security and automation systems. There is no other retrofit hard wired lighting solution like PLLC UPB for 240V.

**Benefits of UPB™ Technology**
**Reliable:**
UPB™ uses low frequency, spread spectrum technology which produces a very strong signal. In addition, UPB™ uses true 2-way communications, allowing devices to reveal their status to each other. This feedback, that commands have been successfully executed, results in reliable communications—greater than 99% accurate!

**Flexible:**
UPB™ technology supports either peer-to-peer or centrally controlled communication environments, providing flexibility for a wide range of applications.

**Lower Total Cost:**
UPB™ uses existing Power lines, eliminating the need to pre-wire or pull new wire to install a system. PLLC UPB uses patented filter technology which improves the AC power supply and increases UPB reliability with every device installed. Works first time! The end result is a reduction of installed cost and significantly increased customer satisfaction.

**High Speed:** Supports .3 second response time or 10 full commands per second which is 20 to 40 times faster than other PLC technologies. This increase in speed delivers a lighting control system that is responsive to the touch.