KPZ-10B1-x LCD keypad Functional Description

The KPZ-10B1-x LCD keypad is low cost in wall user interface for use in Control4 home automation systems. The unit features a 240 x 120 pixel black and white graphical LCD display, a host microprocessor, and 2.4 GHZ 802.15.4 radio transceiver. It also features ten buttons and rotary encoder knob to accept input from users. The system contains an onboard universal power supply made to operate from 90-260 VAC at 50Hz-60Hz, and consumes less that 5 watts of electrical power.

The host processor receives information via the wireless link from a central home controller and displays menus and data on the LCD display. User button pushes and rotary knob input is captured by the host processor and communicated back to the central home controller again via 802.15.4 wireless communication. Thus the KPZ-10B1-x functions as a user access panel to allow users to access home automation control functions.