

Wireless Control Panel

Model Number: 6007-TX

General Description:

The 6007-TX Wireless Control panel is a base transmitter unit used for remotely controlling multiple receivers (up to 16) from a single location. The device is capable of transmitting four separate commands, which are used to turn room lights ON, OFF or to several different levels of DIM. The fourth command is a FLASH command that can be used to put the lights in a flashing mode. The FLASH command is associated with the panic button on the controller.

The housing and pushbuttons are made from non-metallic materials in order to improve transmission range and omni directionality. The electrical circuitry is comprised of a 12VDC power supply, a microprocessor unit, 2 soft touch keyboards that electrically connect traces on the board when pushed, two data storage latches, a LED type clock display, a CMOS 12-bit encoder IC, a 315 MHz RF oscillator circuit, and complementary passive components. The circuitry is soldered to a double-sided, 94V-0 rated printed circuit board. The circuit is powered by a 12VDC power converter from a standard 120VAC, 60 Hz wall outlet and also has a battery backup system which is run from a 9 Volt rechargeable battery.

Specifications:

- Input: 12VDC
- Circuit voltage: +5.0 volts DC. A common regulator and power supply circuit regulate battery output.
- Radio Frequency: 315 MHz
- User-selectable address codes: 8, unused in current devices. 16 codes are selected from the keypad, by pushing the appropriate buttons.