

PHOTO-ELECTRIC INFRARED RELAY SYSTEM



No. PE31

SPECIFICATIONS:

Power Requirement:	120 Volts AC, 50/60 Hz
Standby Power Consumption:	10 Watts
Usable Range:	2-1/2 ft. min to 50 ft. Max.
Reaction Time:	Less than 50 millisecond
Release Time:	Approx. 5 seconds in "INTERMITTENT" mode
AC Switched Load:	120 Volts AC, 3 amps max. (noninductive load)
DC Output:	12 Volts DC, 1 amp max. (12 ohm min load)
Dry Contact Capacity:	30 Volts DC, 3 amps, or 120 Volts AC, 3 amps
Maximum Angular Reflector Error:	$\pm 10^\circ$
Operating Temperature Range:	15°F (-10°C) to 105°F (40°C)
Light Source:	Pulse modulated infrared Light Emitting Diode
Detector:	Infrared sensitive photodiodes
Reflector:	High-efficiency, multi-faced plastic 2-3/8" by 4-3/4"
Fuse:	1amp. AGC (3AG)
Dimensions:	4-3/4" (120mm) x 5-7/8" (150mm) x 6" (157mm)
Weight:	2.8 lbs (1.3kg)

Invisible pulse beam effective up to 50 feet--not affected by outside lighting changes

Unlike most other one-piece relay systems, this unit is capable of:

1. Tying in directly to any burglar alarm system.
2. Operating 12 volt DC devices (such as sirens, bells, counters) up to 1 amp current.
3. Operating 120 volt AC devices drawing up to 3 amps.

Six modes of operation are ready selected by slide switches on the rear panel:

1. LOCK - Stays on until reset.
2. INSTANT - Actuates only when beam is intercepted.
3. INTERMITTENT - Actuates for five seconds after beam is broken.

PLUS NORMAL and REVERSE on any of the above:

NORMAL - Power on when beam is broken

REVERSE - Power off when beam is broken

No bulbs to replace - it doesn't use any. Long life LED provides the pulsed infrared beam.

Supplied with universal mounting brackets to allow installation on walls, floors, ceiling, flush mount and high efficiency reflector. A built-in LED monitor lamp denotes perfect alignment between the unit and the reflector furnished.

2-CHANNEL FM WIRELESS INTERCOM



No. TW15 - Pair to Display Box

No. TW15E - Single to Display Box

SPECIFICATIONS:

Power Source: 115V 120V

Frequency: Channel A 200KHz, Channel B 230 KHz; or adjusted to customer's specs

Modulation: FM

Power Consumption: 3W

Featuring the latest in FM and Phased-Locked-Loop circuitry for crystal-clear communication and maintenance-free operation. The system allows three-station operation and can be expanded with add-on units. Absolutely no installation is required; just plug into any AC outlet and use. The system is ideally suited for private homes (as a remote, audio "babysitter"), offices, factories, restaurants, hospitals, stores and schools.

FEATURES:

- Wireless - absolutely no installation required. Just plug into any AC outlet and talk
- FM PLL (Phased-Locked-Loop) circuitry-gives you excellent and noise-free conversation
- 2-channel selector-for use up to 4 stations operation
- Built-in "beep" call-for alerting other station
- Built-in squelch control-automatically eliminates fluorescent light static, appliance motor noise, dimmer switch buzzing, etc.
- Built-in lock button-for continuous talking or baby-sitter monitoring
- Attractive styling makes it suitable for any decor

VOICE-ACTIVATED FM INTERCOM for AUTOMATIC TWO-WAY CONVERSATIONS OVER THREE CHANNELS



No. TW20 - Pair to a display box

No. TW20E - Single to a display box

Automatic voice activation puts the intercom in the transmit mode when you start talking. Stop talking and it automatically switches to the receiver mode. Allows "hands free" operation while talking. If you prefer manual operation, touch the "call" or "talk" SENSOR SWITCH. Revert back to "automatic" with a single touch. A built-in squelch system automatically eliminates electrical noises to transmit crisp, clear sound.

No installation required - plug into any 110-120V AC outlet, turn set on and talk! A pleasing "BEEP" sound alerts listener at the other end. Buy them individually or in pairs, and add as many as desired.

SPECIFICATIONS:

CIRCUIT: FM, phase-locked-loop

CHANNELS: 3

AUDIO POWER: 350mW

SIZE (Per Unit): 7"W x 4-3/4" x 2"H

DOUBLE COIL BUZZER

**3-12 Volt DC
6-12 Volt AC**

No. PE296

This buzzer is ideal sounding device for use with No. PE31 (above). Unit is connected to 12 V output terminals on back of No. PE31.

