

8014-SEN-1

Wander Guard E Door Tester
Model 18005

PRODUCT SPECIFICATIONS**PHYSICAL**

Weight 5.5 oz.
Dimensions 2 3/4" x 1" x 6 1/2"
Activation Customer-activated single push-button

Finish Uniform black case with centrally located switch, for right or left handed operation; two status LEDs.

ELECTRICAL

Power Supply Internal 9V alkaline battery
Current < 15mA @ 8.5VDC at temperature of 70°-80° F

RF Output Carrier: 506 KHz +/- 100Hz
The tone frequency is controlled by a four position dip switch located inside the unit. Switch 1 turns the unit off and on for FCC testing. The other 3 switches control the 3 tone frequencies.

Sw 1- Test On-Off
Sw 2- 864 +/-2 Hz Tone Frequency (green LED)
Sw 3- 902 +/-2 Hz Tone Frequency (red LED)
Sw 4- 943 +/-2 Hz Tone Frequency (grn/red alt.LED)

Type of Emission Pulse Carrier
Emission Designator 4K5P0N

ENVIRONMENTAL

Operating Temperature 50-90 Deg. F
Storage Temperature 32-100 Deg. F

FCC test mode operation:

To facilitate testing without holding the pushbutton, Sw 1 inside the unit is set to the ON position. This causes the unit to cycle continuously over the 3 tone frequencies when the battery is connected. Sw2, Sw3, and Sw4 are also each set to the ON position. When power is applied, the 506 KHz carrier frequency will be modulated at 864 Hz for approx. 2 second (green LED illuminates), then shut off as a piezo alarm sounds. Next, the unit is modulated at 902 Hz for approx. 2 seconds (red LED illuminates), then shuts off as the piezo sounds. Finally, the unit is modulated at 943 Hz for 2 seconds (alternating green/red LED illuminates), then shuts off as the peizo sounds. The cycle will then repeat. Each complete cycle takes about 10 seconds. The cycle will repeat until SW1 on the four position dip switch is turned off or until power is removed.

The red LED on the right illuminates when calibration is needed and does nothing in the FCC test mode.

Normal mode operation:

This is a handheld battery powered device used to verify the operation of the Wander Guard E door units. The device is pointed at the antenna module (within 4 feet). When the button is pressed, the unit turns on and a single 2 second cycle of the RF tone, as described in the FCC operation, is generated, then the unit turns off. Typically, only one tone frequency is enabled when used by a customer. Only one cycle of the RF signal is generated with each button press.

In normal operation, the LED on the right illuminates after about 3 years, indicating that the unit is due for calibration. If the device is not calibrated within 3 weeks of the LED illuminating, the unit will automatically shut off until calibration is performed.