



## SOUND ACTIVATED WALL SWITCH SX320

### Suggested Applications

- **HOME SECURITY.** In hallways, garages, anywhere a burglar is likely to enter. Many studies show that light is an effective burglar deterrent. But lights which indicate inside activity are the most effective in keeping burglars away more effectively.
- **SAFETY.** In entryways, stairways or in the garage where walking in the dark can be hazardous.
- **CONVENIENCE.** Because Sound Activated, it eliminates the need for touching a light switch. You'll never have to grope in the dark for a light switch again.
- **ENERGY SAVINGS.** Turns your lights off automatically when no longer needed and operates at reduced power, increasing bulb life 10x or more.

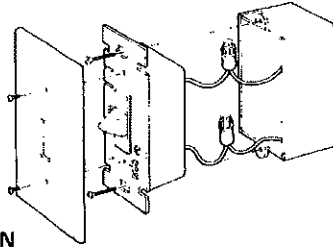
### Installation

Your SX320 switch comes with everything you need for installation. Please check that you have received all the parts listed below before installing your switch.

1. One SX320 switch.
2. Two wire nuts.
3. Two installation screws.
4. One adjustment tool.

### PLEASE READ ALL INSTRUCTIONS BEFORE INSTALLING SX320

**ATTENTION!** Before doing any electrical work, turn off power at circuit breaker or fuse box. Try the switch to make sure power is off.



### SINGLE SWITCH INSTALLATION

1. Remove switch cover plate and save for re-use.
2. Remove the screws holding light switch in place and gently pull switch from the wall.
3. Disconnect wires.
  - A. For screw terminals loosen screw with screwdriver.
  - B. For push-in terminals, press tip of screwdriver into release slot next to terminal hole.
4. The SX320 switch does not require grounding. If a green grounding wire was connected to the old switch, cap it with a wire nut and push it back into the outlet. Connect the two remaining wires to the leads from the switch by twisting them together. Cap each connection with a wire nut.
5. Insert the SX320 switch into wall receptacle. Secure with screws.
6. Turn on power.
7. Adjust the SX320 to your needs (See setting instructions).
8. Replace switch cover plate. Your SX320 is now ready for immediate use.

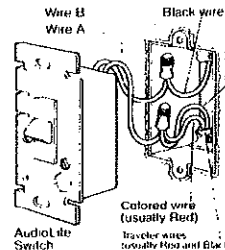
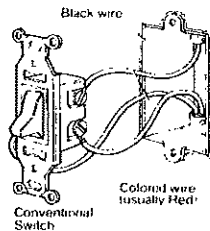
### MULTIPLE SWITCH INSTALLATIONS

Lights are often wired so that they can be operated by 2 or more switches in a room or hallway. You can substitute SX320 switches for the conventional 3-way switches in such multiple switch systems by installing them as shown in the drawings below. They cover the most common wiring situations you are likely to find in these installations.

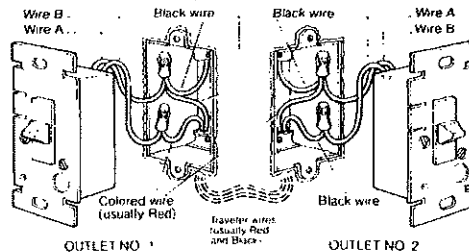
The diagrams show **only** the wires connected to the switches now in use, and which you will now connect to the SX320 switches. Ignore any other wires in the outlet. Any ground wires (green) should be capped with a wire nut and pushed back into the outlet, since SX320's require no ground wire. You may also wish to connect **only one** SX320 switch into a multiple switch installation. In this case you can either a) leave the other, conventional, switch in position, but keep it permanently in ON position, or b) remove the second switch entirely connect its wires together with a wire nut. In an enclosed area, sound will trigger the SX320 switch as needed and the second switch is not necessary.

If in doubt wiring your multiple switch installation, contact an electrician or Intermatic.

#### Typical Conventional Wiring



#### Situation II



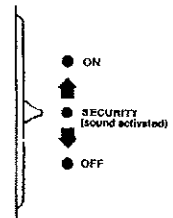
In multiple switch installations, if either switch is turned to Manual ON it will override sound-

activated operation. If both SX320 switches are in Sound-activated mode, the longest Time setting in either switch takes precedence.

**Operation**

**MODES:**

**"ON", "SECURITY", "OFF"** The SX320 features 3 modes of operation, regulated by a slider switch. In the middle position, in SECURITY Mode, your switch gives you the benefits of both sound activation and energy savings. A built-in-dimmer allows your lights to function at half power, automatically increasing lamp life ten times or more. For manual operation the slider switch should be positioned up for "ON" and down for "OFF".

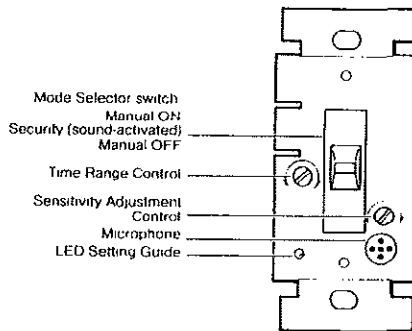


**AUTOMATIC TIMING CIRCUIT (ATC)**

The SX320 features an Automatic Timing Circuit (ATC) which avoids the need for further timing adjustments. In the presence of sound the SX320 will turn the light ON for several minutes. The shut-off time depends upon the type of sound and its duration. If no further sound is sensed the unit will turn the light OFF again at the end of its timing period. For those situations when a longer or shorter shut off time is desired the SX320's manual Time Range Control may be adjusted (See Settings.)

**NOTE: Maximum power for the SX320 is 200 V, 120 V and is meant for use with incandescent lighting only. Do not use for fluorescent lights or for switched outlets where a motor or appliance may be plugged in, as damage may result.**

**SOUND ACTIVATED SECURITY WALL SWITCH SX320**



**Settings**

The Sound Activated Security Wall Switch SX320 should be set to the requirements of its location. The necessary adjustments should be made before you install the switch cover plate. The SX320 provides a Sensitivity Adjustment Control Guide. When setting Sensitivity, we suggest you simulate the sound level to which you want your SX320 switch to respond. Simply rotate the adjustment screw towards Minimum or Maximum until the LED Setting Guide blinks brightly.

The Time Range Control should be adjusted if you wish a longer or shorter shut-off time than the one provided by the Automatic Timing Circuit (ATC). Rotate control screw counterclockwise to reduce the shut-off time, clockwise to increase it.

Once you have set your Sensitivity level and Timing Range no further adjustments are required. Simply replace the switch cover plate and enjoy all the benefits your SX320 switch has to offer.

**FULL ONE YEAR WARRANTY**

If within one (1) year from the date of purchase, this product fails due to a defect in material or workmanship, Intermatic Incorporated will repair or replace it free of charge.

The warranty does not apply to: (a) damage caused by accident, abuse, mishandling, dropping; (b) units which have been subject to unauthorized repair, opened, taken apart; (c) units not used in accordance with directions; (d) damages exceeding the cost of the product. Some states do not allow a limitation of damages so the foregoing limitation may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state. This warranty service is available by either (a) returning the product to the dealer from whom the unit was purchased, or (b) mailing postage prepaid to the nearest authorized service center. Please be sure to wrap the product securely when mailing to avoid shipping damage. This warranty is made by Intermatic Incorporated, Spring Grove, Illinois 60081-9698.

**SOUND ACTIVATED SECURITY WALL SWITCH  
SOUND ACTIVATED LIGHT CONTROLS  
SX320 Wall Switch II**

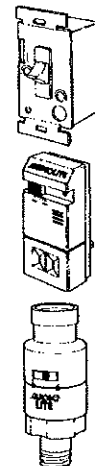
• 3-Position switch: Manual Off, Automatic (Sound operated), Manual On • Adjustable Time and Sensitivity settings • LED setting guide. Settings tamperproof when switch plate is in place. • For energy savings, Auto/Sound setting operates light at 1/2 power • Simple installation. • Maximum rating: 200W.

**SX530 Plug In**

• Plugs into any standard outlet • No installation, no tools required • Slide switch sets sensitivity • Maximum rating: 300 W.

**SX740 Socket**

• Screws into any standard UL lamp socket • Converts any fixture to sound activation without any additional switch • Ideal for use in outdoor locations • Adjustable sensitivity setting. Light sensor avoids accidental triggering in daylight • Maximum rating: 150 W.



**INTERMATIC INCORPORATED**  
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