ATTENTION—NEW USERS AND INSTALLATION PROFESSIONALS:
Please call 800-452-5276 upon completion of this installation to verify proper installation, key control and operations training.
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From the President ...

Thank you for choosing the Monitor 4000 Exit Alarm. There is no other access control system quite like the Monitor 4000 — It’s “The one that won't let you forget.”

We at Security Products, Inc. believe that this system will provide years of dependable operation, which can be translated into reduced losses due to unauthorized access through your receiving door.

The Monitor 4000 was developed to protect your employees and your profits. It will remind you to keep your door(s) secured, allowing only authorized access.

To ensure the best results from the Monitor 4000 Exit Alarm, proper installation is essential. Please thoroughly read through this installation manual, as well as the operations manual, before installing.

If you have any questions concerning the installation or proper operation of this system, please phone us at 800-452-5276.

Sincerely,

Robert Barr
CEO, Security Products Inc.
ATTENTION INSTALLER

When you have finished your installation, please be sure to leave the manuals and keys to the Monitor 4000 Exit Alarm with the General Manager or the manager on duty.

Please have the manager call 800-452-5276 upon completion of installation to discuss key control and system operation.

Thank you,
Security Products, Inc.

! ! ! ! ! ! ! ! ! !
The Monitor 4000 Exit Alarm Checklist

The Monitor 4000 Exit Alarm is shipped with the following items:

- 2  Alarm door access keys
- 4  Alarm control keys
- 1  12-volt power supply with 12 feet of 2-conductor 18-gauge wire
- 1  Door decal
- 1  Door jamb package containing:
  - 1  Magnetic sensor set (sensor, matching magnet and 12 feet of 2-conductor 22-gauge wire)
  - 4  Mounting screws (for sensor and magnet)
- 4  Wallboard anchors for mounting the alarm unit into hollow walls
- 4  Wood screws for mounting the alarm unit into wood surfaces
- 1  Operations manual
- 1  Installation manual

New Construction Addendum

1. For recessed in-wall mounting, order the in-wall housing and finishing frame from Security Products, Inc.

2. The 110V to 120V power outlet should be located within 30 feet of the unit preferably above the alarm box or false ceiling when possible. Secure the power supply to the outlet with the screw provided. A direct wire transformer option is available.

3. All wires from the power source should be hidden in the walls and routed through the back of the alarm box. All wires from the magnetic sensor should be routed internally through the door frame and through the walls to the back of the alarm box. If the wires cannot be routed through the walls and surface wiring is required, use a wire-molding to cover and secure these wires.
Product Information

Specifications for the Monitor 4000 Exit Alarm

- Power requirements ..................... 110V to 120V AC, 50/60 cycle, 12 watts
- Dimensions .................................. 8-3/4” H x 7-3/8” W x 3-3/4” D
- Weight ......................................... 5-1/3 lbs
- Sound pressure level .................... Approx 100 Decibels (at 2 meters)

Assembled in the United States of America (Patent #4920333)

Optional Accessories Available

- External Siren / Strobe
- Additional Magnetic Sensors
- Back Doorbell
- In-Frame Magnetic Sensors
- In-Wall Housing and Finishing Frame
- Additional Door Decals
- Additional Alarm Access Keys
- Additional Control Keys

Note: The options above are additional items which are offered as enhancements to the standard equipment. They are for variations in application which may not be needed in all situations.

Additional options and design enhancements for varying applications are being developed as part of our continuing effort to meet our customers needs.

Please call Security Products, Inc. for more information at 800-452-5276
External View

Digital Timer

Internal Access Lock

Siren Shield

Control Keyswitch

Operating Instructions

1. To use the door protected by this Alarm, insert the control key into the lower key switch. Turn the key to the right and hold it until you get a green light on the front of the Alarm box, then remove the key.

2. The Alarm may chirp while key is inserted. To stop the chirp remove the key.

3. Getting a green light stop the siren and starts the preset amount of time that the door can be open. The digital countdown goes from 10 to 0. If the door is open when the time is up, then the siren sounds. If the door is closed before the time is up, the Alarm resets and is rearmed.

4. When more time is required, the control key can be inserted and turned to the right to reset the countdown and reactivate the green light.

5. When you open the door, the red light above the green light should come on. Indicating that the door is open and should go off when the door is closed.

During normal operation, the proper access key that opens the box should never be used to disable the Alarm! This key should only be used for Alarm System maintenance purposes.

Green LED

Blue/Red Dual LED

Operation Instructions
To insure proper and effective operation of your new Monitor 4000 Exit Alarm, Security Products, Inc. recommends the system be installed by a qualified technician such as an electrician or alarm installer.

No one should attempt to install the system until they have read and understand these instructions completely.

Please call 800-452-5276 to verify proper installation, key control and operations training.

### Alarm Location

To ensure long-term use, the alarm should be mounted:

- Close to the door that is to be monitored.
- At eye level.
- If possible, to the side of the door on which you plan to install the door sensor.
- The door sensor should be installed on the opposite side of the door hinges.
- A location away from water, personnel and customer traffic.

**DO NOT install in areas of extreme temperatures.**

### Mounting the Alarm

1. Using the four holes in the rear of the unit as a template, mark the wall for drilling.

2. Select the appropriate fastening hardware for the wall surface (wood screws, plaster anchors, toggle bolts, etc.).

3. Install the unit using only the top two screws at this time, and only insert these loosely, as the unit will have to be removed for connection of external wiring.

**Note:** In new facilities, we suggest that the Monitor 4000 Exit Alarm be recessed about 2.5 inches within the wall, using the in-wall housing and finishing frame (sold separately).
Choosing a Power Outlet

Locate the nearest INDOOR 110V to 120V power outlet. The power outlet:

- Should not be located near the floor. These outlets are exposed to high traffic, delivery vehicles, and excessive moisture (damage to the power supply may occur).
- Should have 24 hour constant power and is not switched off during different hours of the day.

Routing the Wires

In new construction and whenever possible, both the power supply and magnetic door sensor wire should be routed in the wall. If the wires cannot be routed in the wall, use wire molding or conduit to secure and protect the wire.

Connecting the Power Supply Wires to the Voltage Regulator

1. Insert the wires through the wire plug in the rear of the unit.

   USE THE MINI SCREWDRIVER PROVIDED TO CONNECT POWER.

2. Connect the wire marked positive to the first screw on the far left of the voltage regulator marked “+”.

3. Connect the wire marked negative to the second screw from the left of the voltage regulator marked “—”.

CAUTION: The wires marked positive and negative must be hooked up correctly or damage to the circuit board may occur.
Plugging in the Power Supply

1. Remove the existing center screw from the wall plate of the outlet.

2. Plug the power supply into the outlet and insert the long screw provided through the tab on the power supply, threading into the center hole of the wall plate.

3. Tighten until snug — **DO NOT OVERTIGHTEN**

4. Once the power supply is plugged in, you will have a flashing timer and blue LED on the front of the alarm.

5. The red battery wire has been left disconnected for transport, connect it to the red terminal on the backup battery at this time.
Magnetic Door Sensor Installation

**IMPORTANT:** THE WRITING ON THE SENSOR AND THE MAGNET MUST RUN THE SAME DIRECTION

1. Use the sensor to mark drill holes on the inside lip of the door frame, as close to the door as possible. (On the handle side, not the hinge side of the door). Install the sensor far enough away so the door does not hit the sensor if the door is slammed.

2. Drill the two holes with a 1/8” drill bit. Mount the sensor and run the wiring to the alarm unit. The wire should be placed inside the wall or secured neatly along the door frame molding to minimize the possibility of damage.

3. Route the sensor wire into the Monitor 4000 Exit Alarm through the hole provided in the back of the unit.

4. Attach the two wires to the “door sensor” terminals in the alarm.

*The following steps are to be performed after the monitor alarm has been installed and the power supply is connected and plugged into the 110V to 120V AC outlet.*
5. You will need to enable the alarm to assist you in determining the proper position of the sensor magnet on the door. The power supply and battery cable should be connected.

6. Insert the control key into the lower keyswitch, turn the key to the right and hold for approximately 3 seconds until the green LED is lit. Both the blue and the green LED should be lit.

7. Arm the alarm by sliding the enable switch in the upper right-hand corner of the circuit board to enable (left) position. The BLUE LED will turn RED.

8. Close and lock the alarm box, both the red and green LED should be lit.

9. With the sensor mounted to the door frame, place the magnet against the door beneath the sensor.

10. Keeping it aligned and parallel, slowly move the magnet toward the sensor until the red light goes off.

11. Mark the door to indicate the location where the red light goes out.

12. Continue to move the magnet toward the sensor until either the red light comes on or the magnet and sensor touch.

13. Mark the door to indicate the location where the red light comes on or where the magnet contacts the sensor.

14. Place the magnet approximately 1/2 the distance between the two marks (should be approximately a 1/4” gap between the sensor and the magnet).

   **NOTE: if the siren sounds, insert the key into the keyswitch and get a green light.**

15. Observe the small red light on the front of the alarm. It should be out. Mark the magnet holes on the door.

16. Drill the two magnet holes with a 1/8” drill bit and install the magnet.

17. Observe the small red light on the front of the alarm (with both the restaurant door and the alarm box door closed): with the magnet in the proper position, it should be off.

18. Test the operation of the magnetic door sensor by opening and closing the door. The small red LED on the alarm should be off when the door is closed and on when the door is open.
**Multi-Door Installation**

Two or more doors can be wired to the Monitor 4000 Exit Alarm. **The doors must be wired in series as shown.**

![Diagram showing multi-door installation](image)

**Installing the Options**

*Must be ordered in addition to the basic Monitor 4000 Exit Alarm.*

**External Siren / Strobe**

In some circumstances, it may be desirable to have a siren/strobe at some location away from the Monitor 4000 Exit Alarm itself. Located on the connection panel inside the unit are terminals for connecting an external siren or strobe. It is important to note that it must be connected with the POSitive (+) and the NEGative (-) wires connected as in the diagram.

**Back Doorbell**

The Monitor 4000 Exit Alarm can also serve as a doorbell by installing this option. Note: There is no polarity for the doorbell wires; you can connect either wire to either terminal marked DOORBELL. DO NOT use a lighted doorbell button.

**Other Options**

Needs and circumstances of our customers can vary greatly, and we at Security Products, Inc. are eager to “customize” to meet your special needs. Please call Security Products, Inc. at 800-452-5276 with any special requests you might have.
Testing the System

1. After the system is completely installed and powered, CLOSE and LOCK the door to the alarm and CLOSE ALL the doors to the building that have sensors installed.

2. The large LCD timer should be flashing and the top blue/red dual LED and bottom green LED should not be lit. If the LCD timer display is not lit, check the circuit breaker, make sure your positive and negative wires are connected correctly and there is power at the outlet.

3. If the red LED is on, one of the doors in the system, including the door to the alarm box, may not be closed completely or the magnetic door sensor is not installed properly. The red LED should never be on if ALL the doors in the system are closed. The red LED should go on when ANY door in the system is open.

4. Open the back door. The red light will come on and the siren will sound.

5. Insert the control key into the lower keyswitch, turn and hold the key to the right until the green LED comes on, the siren stops and the timer stops flashing. The unit will chirp as long as the control key is left in the switch.

6. The blue/red dual LED and green LED should be lit and the timer should stop flashing.

7. Close the armed door. The LED lights should go out and the timer should begin flashing. The alarm has been reset.

The system is now operational. For location of LED lights and switches, see diagrams in the front of this manual marked “Internal” and “External” view.

NOTE: The Monitor 4000 Exit Alarm is equipped with an alarmed control keyswitch. WHILE THE KEY IS IN THE SWITCH, A “CHIRPING” ALARM WILL SOUND. Remove the key after each use to stop the sound.

SEE OPERATIONS MANUAL FOR DETAILS ON OPERATING THE SYSTEM
Mounting the Door Decal

1. The door decal should be mounted on the door to be monitored.
2. The surface should be clean and dry.
3. The decal should be placed at eye level.
4. The decal cannot easily be removed once applied, so be sure that it is positioned correctly as it is placed against the door surface.

Trouble Shooting

FREE TECH SUPPORT 800-452-5276

Alarm is not making noise

Do you have a blue light lit on the front of the box? The alarm is turned off on the inside. Open the alarm box and locate the enable switch in the upper right corner of the circuit board. Move the switch to the left/enabled position.

Do you have a green light lit on the front of the box? The siren should never sound if you have a green light. If the siren does sound when you have a green light, call tech support.

Alarm will not stop making noise

Is the control key in the keyswitch? The alarm is equipped with an alarmed keyswitch. As long as the key is in the switch it will make a “chirping” noise.

Do you have a red light lit on the box even when all the doors, including the alarm box door, is closed? A red light indicates the alarm thinks a door is open. Make sure all the doors are closed and the sensor is positioned correctly. (See page 10)

When you turn the alarm off using the enable/disable switch do all the lights on the front of the unit go out? Even with the unit in the disabled mode you should always have lights. If you do not, the unit is not getting power from the outlet and the battery has drained enough to send the alarm into panic mode. Check breakers, outlet, wiring and power supply.

Extra keys and parts

Keys and parts can be ordered from Security Products, Inc. by calling 800-452-5276 or by emailing orders@RestaurantSecurity.com.

All parts and keys are available for purchase.
Monitor 4000 Exit Alarm Limited Warranty

The Monitor 4000 Exit Alarm is warranted against defects in material and workmanship under normal use and conditions for a period of six (6) months from date of purchase. The Monitor 4000 Exit Alarm is also warranted for an extended six (6) month period for a total of one (1) year from date of purchase against defects in materials and workmanship in the main circuit board. The Monitor 4000 Exit Alarm must be purchased new from Security Products, Inc. or an authorized dealer.

Warranty does not cover shipping or transportation costs. The warranty does not cover products that have been subjected to misuse, negligence, abuse, or accidental damage, nor does it cover products damaged due to improper installation or failure to follow operating instructions provided with the product. The warranty does not cover products that have been repaired or altered by anyone other than Security Products, Inc. or its authorized representatives.

This warranty is nontransferable and applies only to the original purchaser. Under no circumstances shall Security Products, Inc. be liable for any loss or damages, direct or indirect, incidental, special, or consequential, arising out of, or in connection with, the use of this product. Except as provided herein, Security Products, Inc. makes no warranties, expressed or implied, including warranties or merchantability and fitness for a particular purpose. Some states do not permit limitation(s) or exclusion(s) or implied warranties. Therefore, the above limitation(s) or exclusion(s) may not apply to the purchaser. The warranty gives you specific legal rights and you may also have rights that vary from state to state.
“We Stand Behind What We Sell!”

Contact Security Products, Inc. for free tech support at **800-452-5276**. Many issues can be solved over the phone, and your Monitor 4000 Exit Alarm can be back in service within minutes.

If additional repair is required, call 800-452-5276 to obtain an RMA number. Return the defective part to Security Products, Inc. The defective part must be returned for the warranty to be valid.

Assembled with Pride in the U. S. A.