

# SPRINGFIELD®

PRECISION INSTRUMENTS

## GATE ALARM with WIRELESS REMOTE ALARM (TYPE NM Non-Emergency Signaling Device)

Item No. 91786

### User Guide



**GATE ALARM  
MAGNETIC SENSOR/ MAGNET**



**WIRELESS  
REMOTE ALARM**

### **READ FIRST!**

**THERE IS NO BETTER PROTECTOR OF CHILDREN FROM THE DROWNING HAZARD OF POOLS AND SPAS THAN DIRECT ADULT SUPERVISION. THIS POOL GATE ALARM IS NOT A REPLACEMENT FOR ADULT SUPERVISION. IT IS A TOOL THAT ADDS ADDITIONAL PROTECTION BY LETTING POOL AND SPA OWNERS KNOW WHEN A PROTECTED GATE, DOOR OR SLIDER IS OPENED.**

### **OVERVIEW**

- After proper installation your SPRINGFIELD gate alarm will sound immediately upon gate opening.
- The alarm will sound for a minimum of 30 seconds and will then stop if the gate is closed.
- If the gate is not closed at that point, the alarm will sound until either the gate is closed or until 4 minutes have elapsed.
- After gate opening, the alarm will sound at a reduced decibel level. (85dB) Within 6-10 seconds the decibel level will elevate. (95dB) If the buttons on both sides of the alarm unit are pressed at the same time within 5 seconds of gate opening, the decibel level will not elevate. (This allows an older or taller person to avoid the elevated decibel level of the alarm).
- The wireless remote alarm will sound at the same time as the gate alarm.

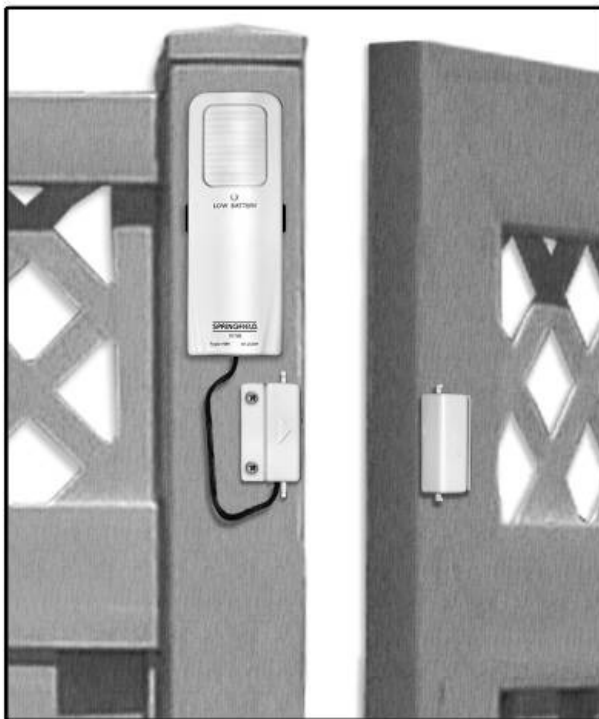
### **WARNINGS**

- **The alarm sound is very loud. Never place the unit close to ears.**
- Before you install the battery in the gate alarm, use a rubber band to temporarily keep the magnetic sensor and magnet together with arrows pointing to each other. This will help avoid setting off the alarm accidentally during installation.
- Wear hearing protection while testing and installing the alarm.

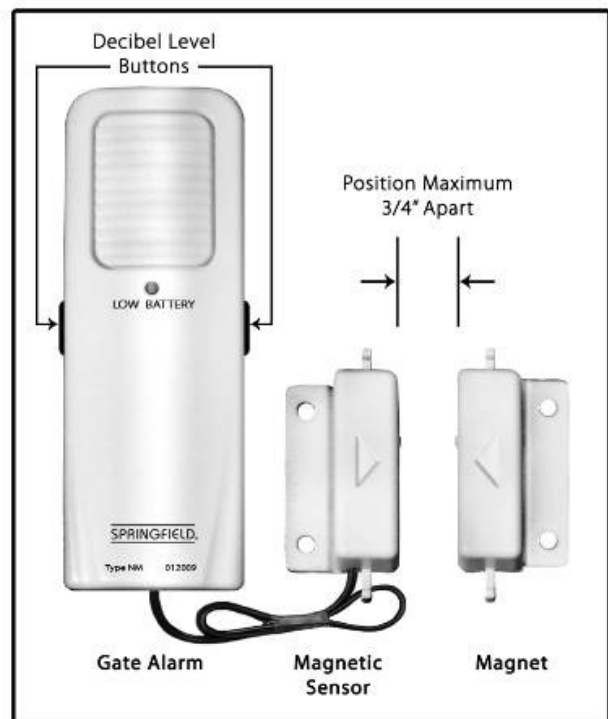
- Install the unit high enough to be out of the reach of children. (Minimum of 54" above ground level).
- **The wireless remote alarm is not waterproof and not intended for outdoor use. Locate the unit indoors or in an area that is protected from moisture.**
- This unit is not to be used as an emergency entrance alarm.
- **This gate alarm is just one part of a safe pool environment. Alone it cannot guarantee complete protection against accidents and injury, therefore SPRINGFIELD cannot be held responsible for any loss, damage or injury that may occur.**

### SPECIFICATIONS AND NOTES

- Tested and certified to meet the operating and safety requirements of UL standard 2017.
- Requires (1) 9V and (2) AAA batteries.
- There are LOW BATTERY indicators (red LED) on the gate alarm and wireless remote alarm. Replace the batteries immediately after the first low battery indication. Use a fresh set of good quality alkaline batteries. **DO NOT USE RECHARGEABLE BATTERIES.**
- Even if there is no low battery indication, replacement of the batteries every 6 months or less is recommended.
- Transmission distance from gate alarm to the wireless remote alarm is a maximum of 250 ft. \*
- Minimum signal strength: 70 dBm. Maximum ambient noise level: 90 dBm.
- Decibel levels: maximum 95dB, reduced 85dB.



**FIGURE 1**



**FIGURE 2**

### SETUP AND TESTING

- **Be sure to wear hearing protection.**
- Using a small Phillips screwdriver, remove 4 screws from the back of the gate alarm and open the battery compartment. Remove the battery compartment cover of the wireless remote alarm.
- Up to 3 alarm sets can be used. (Sets are purchased separately). When setting up the first set, slide the channel selector switch (located inside the gate alarm battery compartment) to any channel. When setting up additional sets, slide the channel selector switch to any unused channel.

- Before you install the battery in the gate alarm, use a rubber band to temporarily keep the magnetic sensor and magnet together with arrows pointing to each other. This will help avoid setting off the alarm accidentally during installation.
- Insert (2) AAA batteries into the wireless remote alarm according to the polarity markings. Replace the battery cover.
- The 3 channel LEDs will blink for 60 seconds as the unit is waiting for registration from the gate alarm.
- Within the time that the LEDs on the wireless remote alarm are blinking, insert a 9V battery into the gate alarm according to the polarity markings. Do not replace the battery cover until setup and testing is complete. The gate alarm will send a signal to the wireless remote alarm to begin registration. When the remote alarm receives the signal, the corresponding channel LED will stop blinking. The remaining LEDs will continue flashing until the registration process is complete.
- After the LEDs on the wireless remote alarm go out the set is functional.
- Test 1: Separate the magnetic sensor and magnet until the alarm sounds. (Approximately 1” or more) The unit should sound immediately at a reduced decibel level. Within 6–10 seconds the decibel level will elevate. Bring the magnetic sensor and magnet back together and attach with a rubber band as described above. The alarm should turn off after sounding for a minimum of 30 seconds total. The wireless remote alarm should sound at the same time as the gate alarm. See WIRELESS REMOTE ALARM below.
- Test 2: Separate the magnetic sensor and magnet until the alarm sounds. The unit should sound immediately at a reduced decibel level. Within 5 seconds, press the buttons on both sides of the alarm unit at the same time. The unit will continue to sound but the decibel level will not elevate. Bring the magnetic sensor and magnet back together and attach with a rubber band as described above. The alarm should sound for a minimum of 30 seconds total. The wireless remote alarm should sound at the same time as the gate alarm.
- After setup and testing is complete and the unit is functional, replace the battery cover of the gate alarm. If the rubber gasket for the battery compartment has become dislodged, position it properly to ensure a watertight seal. Re-install the screws. **Do not over-tighten the screws.**

### DETERMINE THE LOCATION

See Figure 1 for a basic mounting example.

- The gate alarm must be attached to the fence or fence post near and inside the gate opening at least 54” above the ground. It must be near the non-hinged side of the gate.
- The magnetic sensor should be attached to the edge of the fence or the fence post, nearest the gate opening.
- The magnet should be attached to the edge of the gate, on the non-hinged side, opposite the magnetic sensor.
- The magnetic sensor and magnet should be positioned with arrows pointing toward each other. With the gate closed, they should be less than 3/4” from each other without touching. (See Figure 2) Make sure the gate is able to move freely.
- Test the unit in your desired location before drilling holes or final installation.

### INSTALLATION

- Depending on the fence material, use the enclosed screws or double stick tape to attach the magnetic sensor to the fence or fence post nearest to the non-hinged end of the gate, at least 54” above the ground. When using double stick tape, make sure the surface is non-porous. Clean surface thoroughly to remove dirt or oil.
- Opposite the magnetic sensor, use screws or double stick tape to attach the magnet to the edge of the gate on the non-hinged side. (3/4” or less from the magnetic sensor).
- Use the enclosed screws or wire ties to attach the gate alarm to the fence or fence post, at least 54” above the ground.

### WIRELESS REMOTE ALARM

- The gate alarm is capable of sending a wireless RF signal to the wireless remote alarm.
- When the gate alarm is signaling, an RF signal is sent to the wireless remote alarm and it will sound at the same time as the gate alarm.
- Position the wireless remote alarm indoors or in any other convenient, dry location, within 250 ft.\* of the gate alarm.
- When the wireless remote alarm sounds, you can silence the alarm by pressing the ALARM OFF button. This will silence the unit for a single entry and the wireless remote alarm will re-activate for the next entry. Using the ALARM OFF button does not affect the operation of the gate alarm.
- The wireless remote alarm has an LED that lights when the gate alarm is signaling. The LED cannot be disabled.

\*The gate alarm is designed to transmit up to 250 ft. unimpeded. Although the RF signal may travel through solid surfaces or objects, transmitting through walls, metal doors, metal framed windows, thick concrete, stone or brick may reduce the transmission range. To optimize the transmission distance, the wireless remote alarm should be positioned in a location that minimizes these obstructions. Interference from other sources such as home security systems, wireless doorbells and wireless home entertainment equipment may interrupt the transmission signal temporarily.

## LIMITED WARRANTY

Springfield warrants this product to be free from defects in workmanship or material for a period of one year from the date of purchase. **ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO WARRANTIES OF FITNESS AND MERCHANTABILITY ARE HEREBY LIMITED IN DURATION TO A PERIOD ENDING ONE YEAR FROM THE DATE OF PURCHASE.** Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, which vary, from state to state. During the warranty period, such defects will be repaired or the defective instrument will be replaced at our option. This warranty does not cover damages through accident or misuse. **IN ADDITION, SPRINGFIELD IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES INCURRED AS A RESULT OF DEFECT.** Repair or replacement will be made at our option without additional charge if the instrument is returned postpaid with \$4.00 for return postage and handling to:

**SPRINGFIELD.**  
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