



# GATE *GUARD*

## Gate *Guard* G1000 Magnetic Monitor Visitor Arrival System

### **Owner's Manual**



Smart  Guard  
securing peace of mind

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## Instructions

### Installation

The G1000 Magnetic Probe transmitter is used with the receiver. The G1000 transmitter uses a magnetic probe and 15 metres of direct burial cable to detect vehicles at the monitored location. When the transmitter detects a vehicle it will send a signal to the receiver which will sound one of 4 different tones (Classical , Westminster Chime, Ding Dong, Whistle) for a few seconds. The transmitter can be used to monitor driveways, drive-up windows, etc.

**NOTE: Test the WPA-3000 system before burying the probe. Place the probe above ground where it will be installed, then test it by having a car drive by.**

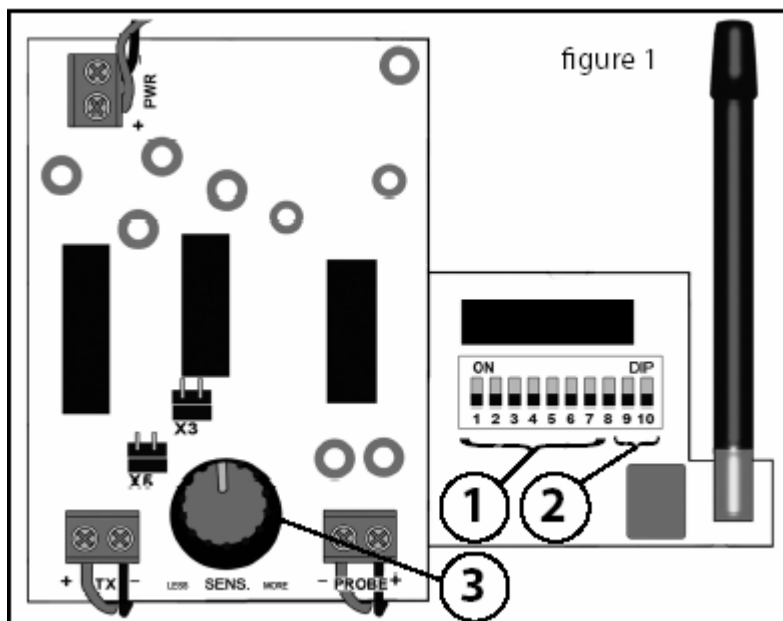
### Operation:

1. Connect a 9 volt alkaline battery to the transmitter. (.figure 1)
2. Set the dip switches 1-8 on the transmitter module to match the receiver.
3. Set dip switches 9 &10 to control the desired zone, tune and relay output.
4. Bury the probe next to the driveway and bury the wire over to a tree or post.
5. Mount the transmitter box on a tree or post approximately 1.2 metres off the ground.

For maximum range between the transmitter and receiver, the transmitter should be mounted on a wood post or tree (steel posts may cause interference with the radio signal.) Obstruction such as hills, trees, metal siding, and stucco can reduce the range.

**Coding the transmitter:**

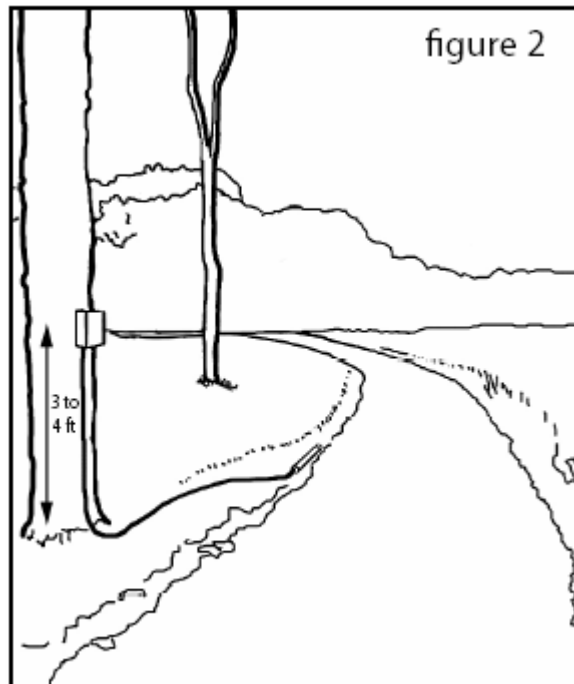
1. Locate the dip switches in the G1000 Magnetic Probe transmitter.
2. The first 8 dip switches are for the frequency setting (256 combinations) (1) (Figure 1).  
Set the first 8 switches to match the 8 switches in the receiver.
3. Switches 9 & 10 are for the zone/channel setting on the transmitter (2) (Figure 1). The four zones are as follows: (see table at right)



Switch 9	Switch 10	Channel	12-volt DC output	Tune
on	on	1	yes	classical
off	on	2	no	westminster
on	off	3	no	ding dong
off	off	4	no	whistle

### Mounting the transmitter

1. The probe will detect vehicles up to about 3 metres away. Lay the probe beside the driveway, then test the unit by having a car drive by. Once the unit is tested, the probe can be buried. The probe should be buried to a depth of 30 cm, laying parallel to the drive. If your driveway is one car wide, bury the probe right next to the drive (Figure 2). If your driveway is two or more cars wide, bury the probe in the middle of the drive.
2. If the probe and wire will be in a high traffic area, it is best to bury both in conduit. The wire should be at least 10 cm below the surface to keep it from being damaged by garden equipment such as edgers, trimmers, etc.
3. In order to protect the wire, it would also be best to have it in conduit where it is exposed above ground below the transmitter box.
4. Mount the transmitter box on a wooden post or a tree.
5. For best result the transmitter should be at least 1.2 metres off the ground.

**Coding the receiver:**

- 1 Open the receiver case by inserting a small screw driver into one of the pry notches on the side of the case. (refer to receiver manual)
- 2 Gently lift off the front cover.
- 3 Locate the 8 dip switches on the receiver and make sure they are set identically to the first 8 dip switches on the transmitter. Note: If more than one transmitter is used with the receiver, the first 8 dip switches of all transmitters must match the 8 dip switches of the receiver.

**NOTE: Whenever a change is made to the time jumper or the dip switches, the receiver must be turned “OFF” and then back “ON” to operate properly.**

Frequency: 433.92 MHz  
Operating voltage: 12VDC  
12 Volt DC output current: 400 mA maximum  
Relay output rating: 24 VDC at 3 Amp

### **Troubleshooting the G1000 Magnetic Monitor Probe**

Although the G1000 Magnetic Monitor Probe should be very reliable, there are occasions when you might have false alarms or a failure to alert. If you are getting false alarms, please try this:

- Make sure that the probe is at least 15 metres from any main roads.
- Turn the sensitivity (3) (figure 1) down (counter-clockwise).
- Check the wire for damage to the insulation.

If the transmitter is not detecting, try one of these:

- Change the battery in the transmitter.
- Make sure the transmitter and receiver are coded alike.
- Turn the sensitivity (3) (figure 1) up (clockwise).
- Move the transmitter closer to the receiver.
- Keep the transmitter away from large metal objects that may interfere with the radio signal.

### **Technical Support**

You can reach us by phone at 07 55 988 580 anytime and we will give you our immediate attention. We will be happy to answer your questions and help you in any way we can.

### **Warranty**

The *SmartGuard G1000* system is covered by a warranty for one year against component or manufacturing defects. Any defect or malfunction due to tampering, physical damage or unauthorised repair is excluded from this warranty.



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