



From Tyco Security Products

## PG9949/PG8949/PG4949

### PowerG 2-Button Wireless Key Installation Instructions



**WARNING!**  
Choking Hazard; Small parts; The pendant and belt clip are NOT for children under 3 years  
Do not submerge the wireless key in any liquid as it will damage the electronic circuits. Keep this manual for future reference.

## Operation

The PGx949 is a programmable 2-button wireless key. The PGx949 can be configured to transmit up to three separate commands to the alarm system. Two of the commands are transmitted by pressing one of the buttons separately, and the third is by pressing them simultaneously. Confirmation of a successful transmission is indicated by the LED light.

### Default Settings

**Arm (button 1)** - Press for 1 second

**Disarm (button 3)** - Press for 1 second.

**Panic (button 4)** - Press and hold both buttons for more than 3 seconds.

## Device Setup

### Enrollment

To quick enroll:

1. On a keypad press [\*] [8] [Installer Code] [804] [000].

2. Press and hold the button on the wireless key until the LED lights steady and then release the

button while the LED is still lit and a confirmation message appears on the keypad.

3. Press [\*] on the keypad to confirm the device ID.
4. Enter [3 digit wireless key #]
5. Assign the wireless key to a partition by entering the [three digit partition #].
6. To assign the wireless key to a user enter the [3 digit user #]. To pre-enroll:
  1. Remotely configure the unique ID number into the system. For more information see the HSM2HOST manual.
  2. When on-site, press the button on the wireless key.

### Programming Buttons

The buttons are programmable.

To change button programming:

1. From a keypad enter [\*] [8] [Installer Code] [804][601] to [632].
2. Configure button 1 (default arm) using the table below. Enter the desired two digit option.
3. Configure button 3 (default disarm) by entering the desired two digit option.
4. Configure button 4 (both buttons pressed simultaneously) by entering the desired two digit option.

00	Disabled	16	Quick Exit
01	Disarm	17	Arm Interior
02	Instant Stay Arm	21	Comm. Output 1
03	Stay Arm	22	Comm. Output 2
04	Away Arm	23	Comm. Output 3
05	[*][9] No Entry	24	Comm. Output 4
06	Chime On/Off	29	Bypass Group Recall

07	System Test	33	Bypass Recall
09	Night Arm	51	Aux. Alarm
12	Global Stay Arm	52	Panic
13	Global Away Arm		
14	Global Disarm		

## Configuration

To enter the wireless configuration section enter [804][601].

### Device Toggles

[011][01] **Supervision - Default [N]**

Enables supervision of the device.

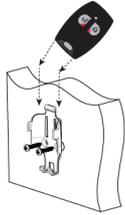
## Assembly

### Attaching to a Belt Clip

1. Slide the device into the holder until you feel it snap securely inside.
2. To attach the belt clip, slide it onto the rails on the rear of the holder.

### Mounting

1. Align the holder on a wall facing up as illustrated.
2. Using two #4 5/8" screws and appropriate wall anchors, secure the holder to the wall
3. Slide the device into the holder until you feel it snap securely inside.



## Maintenance

**Warning!** Modifications to this wireless key not expressly approved by the party responsible for compliance may void the user's authority to operate it.

### Replacing the Battery

The required battery is CR2032 Lithium 3V, manufactured by VARTA or Energizer, purchased from a DSC-approved supplier.

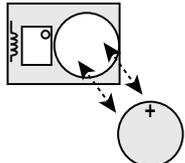
When this wireless key is out of use, remove all batteries and dispose of them separately. Bring electrical appliances to the local collecting points for waste electrical and electronic equipment. Batteries are harmful to the environment, please help to protect the environment from health risks.

Replace the battery at least once every 5 years, or upon observing that the LED flickers when transmitting.

**NOTE:** The polarity of the battery must be observed. Improper handling of lithium batteries may result in heat generation, explosion or fire, which may lead to personal injuries.

**WARNING:** Danger of explosion if batteries are installed incorrectly. Replace only with the same or equivalent type recommended by the manufacturer. Keep away from small children. If batteries are swallowed, promptly see a doctor. Do not try to recharge these batteries. Disposal of used batteries must be made in accordance with the waste recovery and recycling regulations in your area.

1. To replace the battery, insert a coin into the slot on the bottom of the unit and twist it open.  
**Note:** Make sure the elastic pad within the cover remains in place. Put it back in place if it falls off.
2. Extract the old battery from its holder, and replace it with a recommended new battery. Ensure that the plus side of the battery faces up, attaining correct polarity.



3. Test the device by pressing the button. The LED indicator should light.

4. Reattach the cover securely, verifying that the cover snaps shut.

### Cleaning

**The use of abrasives of any kind and solvents such as kerosene, acetone or thinner is strictly forbidden.**

Clean the wireless key only with a soft cloth or sponge moistened lightly with a mixture of water and mild detergent, and wipe it dry immediately.

### Testing

Always test the system at least once per a year.

1. Ensure the device is enrolled in the system.
2. Stand 3 m (10 ft) away from the control panel and press the button. Verify that the transmit LED lights and the control panel responds as programmed.
3. Operate the pendant from various locations within the area covered by the receiver to determine "dead" locations, where transmission is blocked by walls and large objects, or affected by structural materials.

**Note:** If dead/marginal zones are a problem, relocating the receiver may improve the performance.

## Specifications

**Frequency Band (MHz):** CE Listed PG4949: 433-434MHz; CE/EN listed PG8949: 868MHz; FCC/IC/UL/ULC listed PG9949: 912-919MHz

**Communication Protocol:** PowerG

**Battery type:** For UL/ULC listed installation use only Varta or Energizer 3V CR-2032 Lithium battery consumer grade

**Battery Life Expectancy:** 5 years (not verified by UL/ULC)

**Low Battery Threshold:** 2.05 V

**Note:** If transmission is still possible despite the battery condition, the unit will send a low battery signal to the control panel.  
**Temperature Range:** -10°C to +55°C (UL/ULC only verified the range 0°C-49°C)

**Humidity:** up to max. 93%RH, non-condensing

**Dimensions (LxWxD):** 53 x 33 x 11 mm (2.1 x 1.3 x 0.43 in)

**Weight:** 15 g (0.5 oz)

**Weight (including battery):** 20 g (0.7 oz)

**Note:** To be used in non-hazardous locations only.

### Compatible Receivers

433MHz Band: HSM2HOST4; HS2LCDRF(P)4;HS2IC-NRF(P)4; PG4920

868MHz Band: HSM2HOST8; HS2LCDRF(P)8; HS2IC-NRF(P)8;PG8920

912-919MHz Band: HSM2HOST9; HS2LCDRF(P)9; HS2IC-NRF(P)9; PG9920

**Note:** Only devices operating in band 912-919MHz are UL/ULC listed.

## UL/ULC Notes

Only model PG9949 operating in the frequency band 912-919MHz is UL/ULC listed. The PG9949 has been listed by UL for commercial and residential burglary applications and by ULC for residential burglary applications in accordance with the requirements in the Standards UL1610/UL1023/ULC-ORD-C1023 and ANSI/SIA CP-01-2010 Control Panel Standard – Features for False Alarm Reduction.

**Note:** For UL commercial burglary applications:

- After arming the system via the wireless key the user should verify the closing confirmation has been indicated at the keypad.
- Panic button must be disabled.

For UL/ULC installations use these device only in conjunction with compatible DSC wireless receivers: HSM2HOST9, HS2LCDRF(P)9, HS2ICNRF(P)9 and PG9920. After installation verify the product functionality in conjunction with the compatible receiver used.

**CE** Europe: The PG4949 and PG8949 are compliant with the RTE requirements - Directive 1999/5/EC of the European Parliament and of the Council of 9 March 1999. The PG8949 is certified by Telefication to the following standards: EN50131-3, EN50131-1 GRADE 2, CLASS II, EN50131-6 Type C. Telefication BV has certified only the 868 MHz variant of this product. According to EN 50131-1:2006 and A1:2009, this equipment can be applied in installed systems up to and including Security Grade 2, Environmental Class II. UK: The PG8949 is suitable for use in systems installed to conform to PD6662:2010 at Grade 2 and environmental class 2 BS8243. The Power G peripheral devices

have two-way communication functionality, providing additional benefits as described in the technical brochure. This functionality has not been tested to comply with the respective technical requirements and should therefore be considered outside the scope of the product's certification

### FCC COMPLIANCE STATEMENT

**WARNING!** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installations. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio and television reception.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause such interference, which can be verified by turning the device off and on, the user is encouraged to eliminate the interference by one or more of the following measures:

- Re-orient or re-locate the receiving antenna.
  - Increase the distance between the device and the receiver.
  - Connect the device to an outlet on a circuit different from the one that supplies power to the receiver.
  - Consult the dealer or an experienced radio/TV technician.
- This equipment complies with FCC and IC RF radiation exposure limits set forth for an uncontrolled environment. This device complies with FCC Rules Part 15 and with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference that may be received or that may cause undesired operation.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisee aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnement.

## PG9949/PG8949/PG4949

### PowerG 双按钮无线钥匙安装指南



**警告!**  
窒息危险; 小部件; 遥控钥匙和皮带夹不适合 3 岁以下儿童玩耍  
禁止将无线钥匙置于任何液体中, 否则会损坏电路。请保留本手册, 以便将来参考。

## 操作

PGx949 是可设置的双按钮无线钥匙。在进行相应的配置后, PGx949 最多可向报警系统发出三条不同的命令。分别按下两个按钮, 就可以发出两条命令, 而同时按下两个按钮, 可以发出第三条命令。通过 LED 灯指示可以确认是否发送成功。

### 默认设置

布防 {按钮 1} - 按住 并保持 1 秒钟

撤防 {按钮 3} - 按住 并保持 1 秒钟。

应急服务 {按钮 4} - 按住两个按钮并保持 3 秒钟以上。

## 设备安装

### 注册

快速注册:

1. 在键盘上按 [\*] [8] [安装人员代码] [804] [000]。

2. 按下无线钥匙上的 按钮, 直到 LED

灯稳定发亮, 然后在 LED 仍然发亮的时候松开 按钮, 此时键盘上将显示一条确认消息。

3. 按下键盘上的 [ ], 对设备 ID 进行确认。

4. 输入 [3 位数的无线键号 #]
5. 输入这个 [3 位数的子系统号 #], 为无线钥匙分配子系统。

6. 输入 [3 位数的用户号 #], 将无线钥匙分配给用户。

预注册:

1. 将唯一的 ID 号远程配置到系统中。更多详情, 请参阅 HSM2HOST 手册。
2. 在现场时, 则按无线钥匙上的按钮。

### 按钮设置

这些按钮是可设置的。如需更改按钮的设置:

1. 在键盘上按 [\*] [8] [安装人员代码] [804][601] 至 [632]。
2. 使用下表对 1 号按钮进行配置 (默认设置为布防)。输入需要的两位数选项。
3. 通过输入需要的两位数选项, 对 3 号按钮进行配置。
4. 输入需要的两位数选项, 对 4 号按钮 (同时按下两个按钮) 进行配置。

00	禁用	16	快速外出
01	撤防	17	内部布防
02	即时留守布防	21	通信输出 1
03	留守布防	22	通信输出 2
04	离开布防	23	通信输出 3
05	[*][9] 禁止进入	24	通信输出 4
06	门铃 On/Off:	29	旁路组取消
07	系统测试	33	旁路取消
09	夜间布防	51	辅助报警
12	全局留守布防	52	应急服务
13	全局离开布防		
14	全局撤防		

## 配置

如要进入无线配置段, 请输入 [804][601].

### 设备切换

[011][01] 监控 - 默认值 [N]  
启用设备的监控功能。

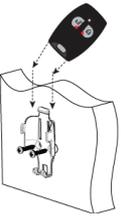
## 装配

### 连接皮带夹

1. 将设备滑入卡座, 直到听到啷啷一声牢牢卡紧。
2. 如需连接皮带夹, 将其滑入卡座后面的导轨上。

### 安装

1. 将卡座面朝上放在墙上, 如图所示。
2. 使用两个 4 号 5/8" 的螺钉和相应的膨胀螺栓, 将卡座固定在墙上。
3. 将设备滑入卡座, 直到听到啷啷一声牢牢卡紧。



## 维护

**警告!** 未征得负责合规性的一方的明确许可, 擅自对本无线钥匙进行变更可能导致用户的使用权丧失。

### 更换电池

需要使用的电池为 VARTA 或 Energizer 制造, 从 DSC 认可的供应商处购买的 CR2032 3V 锂电池。如果此遥控钥匙废弃, 请取出所有电池, 然后分别对它们进行处理。将电气设备送到当地废旧电气和电子设备回收点。电池对环境有害, 为了健康, 请保护环境。请至少五年更换一次电池, 或者在发送信号时观察 LED 灯是否闪烁。





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