



From Tyco Security Products

## PG9929/PG8929/PG4929

### PowerG Series 2-way Wireless key Installation Instructions

## Operation

**Note:** For UL Listed Product, Panic is for ancillary use only. The PG9929/PG8929/PG4929 is a

programmable four-button, multi-LED, 2-way wireless key. The wireless key can be configured to transmit up to five separate commands to the alarm system. Four of the commands are transmitted by pressing one of the buttons separately, and the fifth is by pressing button 1 and 2 (as shown below) simultaneously. Sending a command to the system causes the red LED to briefly illuminate. If the system successfully acknowledges the command the green LED briefly lights, then the associated blue LED lights and the acknowledgment tone sounds. If the system cannot perform the command the red LED briefly lights and the error tone sounds. If the wireless key battery is low the yellow LED blinks for 2 seconds. If there is a trouble on the system the yellow LED lights for 2 seconds. If the system is armed and an entry occurs, the DISARM LED blinks. The default configuration of each button is as follows:

1. AWAY arm
2. STAY arm
3. DISARM
4. PANIC
5. Command Output 1 (buttons 1 and 2)
6. Message LED
7. Status LEDs

## 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

To change button programming:

1. From a keypad enter [\*] [8] [Installer Code] [804] [601] to [632].
2. Configure button 1 (Away Arm) using the table below. Enter the desired two digit option.
3. Configure button 2 (Stay Arm) by entering the desired two digit option and repeat for button 3 (Disarm), button 4 (Panic) and button 5 (buttons 1 and 2 pressed simultaneously).

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	30	Quick Bypass
09	Night Arm	33	Bypass Recall
11	Away Arm no Entry	36	Reactivate Stay/Away/ Night
12	Global Stay Arm	51	Aux. Alarm
13	Global Away Arm	52	Panic
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.

## Maintenance

### 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. Remove backside screw and open the cover.
2. Using a screwdriver, push out the battery from its holder and install new battery.
3. Reattach the cover and securely fasten with screw.
4. Test the unit by pressing one of the buttons. The LED should blink.

- A. Button pad
- B. LED indicator
- C. Battery holder
- D. Battery

### 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 a button. Verify that the transmit LED lights and the control panel responds as programmed.
3. Operate the wireless key 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 PG4929: 433-434MHz; CE/EN listed PG8929: 868-869MHz; FCC/IC/UL/ULC listed PG9929: 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:** 2.1 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 only verified the range 0°-49°C)

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

**Dimensions (LxWxD):** 67 x 27.6 x 12 mm (2.64 x 1.09 x 0.47 in.)

**Weight (including battery):** 25 g (0.9 oz).

**Color:** Black

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

### Compatible Receivers

433MHz Band: HSM2HOST4; HS2LCDRF(P)4; HS2ICNRF(P)4; PG4920

868MHz Band: HSM2HOST8; HS2LCDRF(P)8; HS2ICNRF(P)8; PG8920

912-919MHz Band: HSM2HOST9; HS2LCDRF(P)9; HS2ICNRF(P)9; PG9920

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

## UL/ULC Notes

Only model PG9929 operating in the frequency band 912-919MHz are UL/ULC listed. The PG9929 has been listed by UL for commercial and residential burglary applications and by ULC for residential burglary applications.

**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 this 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 PG4929 and PG8929 are compliant with the RTE requirements - Directive 1999/5/EC of the European Parliament and of the Council of 9 March 1999. The PG8929 is certified by DNV (DET NORSKE VERITAS) to the following standards: EN50131-3, EN50131-1 GRADE 2, CLASS II, EN50131-6  
Type C. DNV (DET NORSKE VERITAS) 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 PG8929 is suitable for use in systems installed to conform to PD6662:2010 at Grade 2 and environmental class 2. BSS243 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.

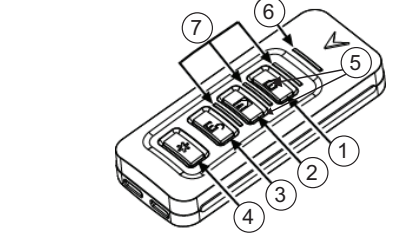
This device complies with FCC Rules Part 15 and with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference that may be received or that may cause undesired operation.  
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

## PG9929/PG8929/PG4929

### PowerG 系列双向无线钥匙安装说明书

#### 操作

**注意:** 适用于 UL 认证产品, 应急仅适用于辅助用途。PG9929/PG8929/PG4929 是可设置的四个按钮, 多 LED, 双向无线钥匙。无线钥匙可配置为向报警系统传输多达五个单独命令。分别按下按钮, 四个命令可传输, 同时按下按钮 1 和 2, 可传输第五个命令 (如下所示)。向系统发送命令, 促使红色 LED 短促闪亮。如果系统成功地确认命令, 则绿色 LED 短促闪亮, 随后相关蓝色 LED 闪亮, 确认音鸣响。如果系统无法执行命令, 则红色 LED 短促闪亮、出错音鸣响。如果无线钥匙电量不足, 则黄色 LED 闪烁 2 秒钟。如果系统发生故障, 则黄色 LED 闪烁 2 秒钟。如果系统处于布防状态并且一个外出出现, 则 DISARM LED 闪烁。每个按钮配置的默认配置如下:



1. 离开布防
2. 留守布防
3. DISARM
4. PANIC
5. 命令输出 1 (按钮 1 和 2)
6. 信息 LED
7. 状态 LED

### 设备设置

#### 注册

至快速注册:

1. 在键盘上按下 [\*] [8] [安装人员代码] [804] [000].
2. 按下并按住无线钥匙上的 [\*] 按钮, 直到 LED 灯稳定, 然后松开 [\*] 按钮, 此时 LED 仍然闪亮, 配置信息显示出于键盘上。
3. 按下键盘上的 [\*], 确认设备 ID。
4. 输入 [3 位无线密码 #]
5. 输入 [三位分区编号], 将无线密码分配给分区。
6. 要向用户分配无线密码, 输入 [3 位用户编号]。至预注册:
1. 在系统中远程配置独特的 ID 号。更多信息, 查看 HSM2HOST 手册。
2. 当在现场时, 按下无线钥匙上的 [\*] 按钮。

### 设置按钮

要更改按钮设置:

1. 从键盘输入 [\*] [8] [安装人员代码] [804][601] 至 [632].
2. 使用下表配置按钮 1 (离开布防)。输入所需的两位选项。
3. 输入所需的两位选项来配置按钮 2 (留守布防), 对于按钮 3 (撤防)、按钮 4 (应急) 和按钮 5 重复上述操作 (同时按下按钮 1 和 2)。

00	禁用	16	快速外出
01	撤防	17	内部布防
02	即时留守布防	21	命令输出 1
03	留守布防	22	命令输出 2
04	离开布防	23	命令输出 3
05	[*][9] 无外出	24	命令输出 4
06	门铃 On/Off	29	旁路组取消
07	系统测试	30	快速绕过
09	夜间布防	33	旁路回拨

11	离开布防无外出	36	重新激活留守 / 离开 / 夜间
12	全局留守布防	51	辅助报警
13	全局离开布防	52	应急响应
14	全局撤防		

#### 配置

要输入无线密钥部分, 输入 [804][601].

#### 设备切换

[011][01] **监控 - 默认 [N]**

启用设备监控。

#### 维护

### 更换电池

所需电池为 CR2032 3V 锂电池, 由 VARTA 或 Energizer 制造, 从 DSC 批准的供应商处采购。

当无线密钥停用时, 拆卸所有电池并分开处置。将电气设备送至当地废旧电气和电子设备回收点。电池有害于环境, 请帮助保护环境免受健康风险。至少每 5 年更换一次电池, 或者当传输时观察到 LED 闪烁, 则进行更换。

**注意:** 应遵循电池极性的规定。锂电池处理不当可能造成发热、爆炸或火灾, 这些均可导致人员受伤。

**警告:** 如果电池安装不当, 则可能存在爆炸危险。只能使用生产厂商推荐的相同或相当类型的电池进行更换。远离儿童。如果不慎吞咽电池, 立即就医。切勿尝试为这类电池充电。废旧电池的处置必须根据您所在地区的废物回收和再循环条例。

1. 拧下后盖螺丝并打 开 盖。
2. 使用螺丝刀, 将电池从其电池座 上推出并安装新电池。
3. 重新盖上后盖, 并以螺丝牢固固 定。
4. 按下按钮测试装置。LED 应闪 烁。

- A. 按钮键盘
- B. LED 指示灯
- C. 电池座
- D. 电池

### 清洁

严格禁止使用任何种类的研磨剂 和溶剂, 比如煤油、丙酮或稀释 剂。

仅使用软布或蘸有水和中性洗涤剂混合物的的海绵来清洁 无线钥匙, 随后立即擦干。

### 测试

至少每年进行系统测试一次。

1. 确保设备在系统中的注册。
  2. 距主机 3m (10 英尺) 站立, 按下按钮。验证传输 LED 灯和主机响应是否与设置相一致。
- 接收器覆盖区域内各个地点操作按键, 以确定传输受 限于墙壁和大型物体或受到结构性材料影响的 "盲区"。
- 注意:** 如果盲区 / 边缘区是个问题, 接收器的重新定位可提 高性能。

#### 规格

频率带 (MHz) : CE 认证 PG4929: 433-434MHz ; CE/EN 认证 PG8929: 868-869MHz ; FCC/IC/UL/ULC 认证 PG9929: 912-919MHz

通讯协议: PowerG

电池类型: 对于 UL/ULC 认证安装, 仅使用 Varta 或 Energizer 3V CR-2032 消费级锂电池

电池预期寿命: 5 年 (未经 UL/ULC 验证)

电力不足阈值: 2.1 V

**注意:** 如果不考虑电池状况, 传输仍然可能, 装置将向主机发送电力不足信号。

温度范围: -10C 至 +55C (UL 仅认可 0-49C 的范围)

相对湿度: 最大值 93% RH, 非冷凝

尺寸 (长 x 宽 x 高) : 67 x 27.6 x 12 mm (2.64 x 1.09 x 0.47 英寸)。

重量 (含电池) : 25 g (0.9 盎司)。

颜色: 黑

**注意:** 仅在非危险地点使用。

