DSC

From Tyco Security Products

PG9938/PG8938/PG4938

PowerG Panic Button 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 PG9938/PG8938/PG4938 is a panic button. Confirmation of a successful transmission is indicated by the LED light.

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 [*] key to confirm ID.
4. Enter [3 digit zone #].
5. Enter [2 digit zone type].
6. Enter [1 digit partition #] for all desired partitions and press [#]. If using a menu based configuration you can scroll to the desired partitions and press [*] to toggle the partition.
7. On an LCD keypad enter the label by using word library.

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 device enroll button.

Configuration

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

Device Toggles

[011][01] **Supervision - Default [N]**
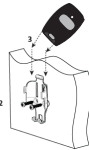Enables supervision of the device.

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.
4. To remove the device from the holder, pinch the clasps.

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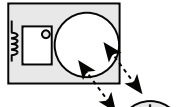
When this wireless key is out of use, remove all batteries and dispose of them separately. Bring electrical appliances to the local collecting points for waste electrical and electronic equipment. Batteries are harmful to the environment, Please help to protect the environment from health risks.

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. Replace the covers 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. On a keypad press [*] [8] [Installer Code] [904] [601-632].
3. 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.
4. 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 PG4938: 433-434.72MHz; CE listed PG8938: 868-869.15MHz; FCC/IC/UL/ULC listed PG9938: 912-919.185MHz
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 0º to 49ºC)
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 PG9938 operating in the frequency band 912-919MHz are UL/ULC listed. The PG9938 has been listed by UL for residential burglary applications and by ULC for residential burglary applications in accordance with the requiremential in the Standard UL 1023/ULC-ORD-C1023 Household Burglar Alarm Units.
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.

Europe: The PG4938 and PG8938 are compliant with the RTTE requirements - Directive 1999/5/EC of the European Parliament and of the Council of 9 March 1999. The PG8938 is certified by Applica Test and Certification to the following standards: EN50131-3, EN 50131-6 Type C. Applica Test and Certification 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 PG8938 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.

PG9938/PG8938/PG4938

PowerG 应急按钮安装指南

警告！
窒息危险；小部件；吊带和皮带夹不适合 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

PG9938/PG8938/PG4938 是应急按钮。可以通过 LED 灯指示，确认是否发送成功。

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. 在无线钥匙上按住此按钮，直到 LED 灯稳定发亮，然后在 LED 仍然发亮的时候松开此按钮，键盘上会显示确认消息。
3. 按 [*] 键确认 ID。

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4. 输入 [3 位数防区号 #]。
5. 输入 [2 位数防区类型]。
6. 为需要的所有子系统输入 [1 位数子系统号 #]，然后按 [#] 键。如果使用基于菜单的配置，则可以将光标滚动到需要的子系统，然后按 [*] 键切换子系统。
7. 使用字库，在 LCD 键盘上输入标签。

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，按设备注册按钮。

配置

如要进入无线配置段，请输入 [804][601]。

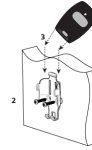### 设备切换

[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，直到听到啪嗒一声牢牢卡 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" 的螺丝和相应的膨胀螺栓，将卡座固定在墙上。
3. 将设备滑入卡座，直到听到啪嗒一声牢牢卡紧。
4. 如需从卡座上拔出设备，压一下卡扣。

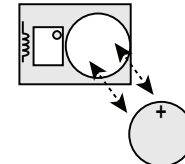## 维护

警告！ 未经授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限失效。

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到 LED 灯闪烁时应更换电池。
注意：必须注意电池的正负极。锂电池处理不当，可能导致电池发热、引起爆炸或火灾，而这些都可能带来人身伤害。
警告：如果电池安装不正确会有爆炸的危险。更换时，只能使用生产厂商推荐的型号或同等型号的电池。把电池放在小孩接触不到的地方。如果小孩误吞下电池，应立即就医。严禁对电池充电。使用过的电池，必须按照当地有关废物回收的规定进行处理。

1. 如需更换电池，请在设备底部的插槽内插入一枚硬币，然后扭开。
注意：确保盖子内的弹簧垫片仍在原来的位置。如果脱落，应将它放回原位。
2. 从卡座上取走旧电池，换上推荐的新电池。确保电池正面朝上，使电池正负极正确。

3. 按下此按钮，对设备进行测试。LED 指示灯应该发亮。
4. 重新盖上盖子，确定盖子啪嗒一声卡紧。

清洁

严禁使用任何类型的的研磨剂、煤油、丙酮或稀释剂等溶剂。
只能使用一块软布或海绵轻轻蘸些水和温和清洁剂的混合液来清洁无线钥匙，然后立即擦干。

测试

保持每年至少对系统进行一次测试。
1. 确保设备已经在系统中注册。
2. 在键盘上按 [*] [8] [安装人员代码] [904] [601-632]。
3. 站在离主机 3 米 (10 英尺) 远的地方，按下按钮。确定信号发送的 LED 灯亮起，主机将按设置正常响应。
4. 从接收器信号覆盖的区域内的不同地点操作无线钥匙，确定 " 盲点 "，即传输信号被墙和大型物体遮挡或受到结构材料影响的点。
注意：如果存在盲点 / 边缘区，将接收器换个位置，就可能获得很好的接收效果。

规格

频带 **(MHz):** 通过 CE 认证的 PG4938: 433-434.72MHz; 通过 CE 认证的 PG8938: 868-869.15MHz; 通过 FCC/IC/UL/ULC 认证的 PG9938: 912-919.185MHz
通信协议：PowerG
电池类型：对于通过 UL/ULC 认证的安装方式，只能使用消费者级别的 Varta 或 Energizer 3V CR-2032 锂电池
电池使用寿命：5 年 (未经 UL/ULC 验证)
低电量阈值：2.05 V
注意：如果电池电量较低，但仍能发送信号，此时设备将向主机发送 " 电量低 " 信号。
温度范围：-10°C 至 +55°C (UL/ULC 仅验证了 0 - 49C 这个温度范围)
湿度：最高 93%RH，无冷凝
尺寸 **(WxDxH):** 53 x 33 x 11 毫米 (2.1 x 1.3 x 0.43 英寸)
重量：15 克 (0.5 盎司)
重量 (包括电池)：20 克 (0.7 盎司)
注意：只能在无危险的场所使用。

兼容的接收器

433MHz 频带： HSM2HOST4; HS2LCDRF(P)4;HS2ICNRF(P)4; PG4920
868MHz 频带： HSM2HOST8; HS2LCDRF(P)8; HS2ICNRF(P)8;PG8920
912-919MHz 频带： HSM2HOST9; HS2LCDRF(P)9; HS2ICNRF(P)9; PG9920
注意：只有运行在 912-919MHz 频带内的设备通过了 UL/ULC 认证。

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