## PG9916/PG8916/PG4916

#### Supervised Wireless PowerG Heat and Smoke Detector Installation Instructions

### Features

PGx916 heat and smoke detectors provide open area protection and early warning of developing fires by

- Activating a fire alarm upon either smoke or heat (60°C)
- . Sounding an alarm with its built-in alarm horn
- Transmitting an alarm signal to a compatible wireless alarm

## Operation

The Test / Mute switch functions during normal operation as a Test switch and during an alarm condition as a Mute switch. Pressing the Test / Mute switch during an alarm condition stops the buzzer sound for 8 minutes. If the condition is not restored after 8 minutes. the buzzer will resound. Pressing the mute switch will not restore the alarm condition

The tamper switch actuator is depressed when the unit is attached to the mounting bracket. Removal of the unit from the mounting bracket causes the switch contacts to open transmitting a tamper event to the alarm system control panel. The detector is disabled when not attached to the mounting bracket.

## Device Setup

Attention: The detector battery cover is fitted with a red button that prevents the detector from locking onto the mounting bracket if there is no battery inside. The smoke detector is supplied with a 3V CR123A battery

Caution! To be installed by service persons in non-hazardous locations only. Batteries are to be replaced by service persons only.

WARNING: Never remove batteries to stop a false alarm. Open a window or fan the air around the detector to clear the smoke. The alarm will turn itself off when the smoke is gone. If false alarms persist, attempt to clean the detector as described in this manual. WARNING: Do not stand close to the detector when the alarm is sounding. The alarm is loud in order to wake you in an emergency Too much exposure to the horn at close range may be harmful to your hearing.

Note: To keep the smoke detector in good working order, you must test it weekly

Note: To ensure the continued operation of all wireless devices after performing a system default, a global upload of all wireless programming via DLS is recommended before defaulting the system. After completing the system default, download the wireless

## Legend

- A. Buzzer Holes B. Test button and LEDs
- C. Bracket
- D. Detector
- E. 3 volt CR123A lithium battery, consumer grade
- F. Battery terminals (without insulator)
- G Battery cover
- H. Enroll button
- I Tamper switch

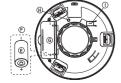
Note: When the battery first makes contact, the alarm horn may sound for 1 beep.

## Disassembly

- 1. Hold the bracket with one hand
- 2. Rotate the detector anticlockwise and pull it from the bracket

## **Battery Connection and Initial Test**

- 1. Open detector
- 2 Open battery cover 3. Connect battery to ter-
- minals, verify correct polarity
- 4 Close the battery cover and place the detector on the mounting bracket
- 5. Press the Test button for about 2 seconds



Note: When manually programming wireless devices, if a device has been powered up for more than 48 hours it cannot be enrolled into the system until the device has been tampered and restored When programming the panel using the Ouick Enroll procedure follow the steps detailed in Enroll the Device into the System Note: After rectoring a low battery trouble the system may take up to 5 minutes to clear the trouble

### Enroll the Device into the System

To quick enroll:

- 1. On a keypad press [\*] [8] [Installer Code] [804] [000].
- 2. Press and hold the device enroll button until the LED lights steady and then release the enroll button while the LED is still lit. A confirmation message then appears on the keypad
- 3 Press [\*] key to confirm ID
- 4. Enter [3 digit zone #].
- 5. Enter [3 digit zone type]
- 6. Enter [1 digit partition #] for all desired partitions and press [#]. If using a menu based configuration, 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

Note: If the wireless device has been powered for more then 48 hours without being enrolled, tamper and restore the device to

#### Perform a Placement Test

Before permanently mounting any wireless device, temporarily mount the device and perform a placement test

- 1. Tamper the device by removing the cover.
- 2. Restore the tamper. The device now enters placement test mode for 15 minutes
- 3. The red LED blinks once to identify that a signal is being sent to the receiver and then blinks three times to identify the signal strength. The following table indicates the received signal strength

LED Response	Signal Strength	
Green LED blinks	STRONG	
Orange LED blinks	GOOD	
Red LED blinks	POOR	
No blinks	No communication	

IMPORTANT! Only GOOD or STRONG signal strengths are acceptable. If you receive a POOR signal from the device, re-locate it and re-test until a GOOD or STRONG signal is received.

Note: For UL/ULC installations, only STRONG signal levels are acceptable. After installation verify the product functionality in conjunction with the compatible receivers HSM2HOST9, HS2LC-DRF(P)9, HS2ICNRF(P)9 and PG9920.

Note: For detailed Placement instructions refer to the control panel Reference Guide

#### Where to Install Smoke Detectors

Smoke detectors should always be installed in USA in accordance with Chapter 29 of NFPA 72, the National Fire Alarm Code: 29.5.1.1. Where required by other governing laws, codes, or standards for a specific type of occupancy, approved single- and multiple-station smoke alarms shall be installed as follows:

- 1. In all sleeping rooms and guest rooms.
- 2. Outside of each separate dwelling unit sleeping area, within 21 ft (6.4 m) of any door to a sleeping room, with the distance measured along a path of travel.
- 3. On every level of a dwelling unit, including basements.
- 4. On every level of a residential board and care occupancy (small facility), including basements and excluding crawl spaces and unfinished attics
- 5. In the living area(s) of a guest suite.
- 6. In the living area(s) of a residential board and care occupancy (small facility).
- 7. When mounting on ceiling the closest edge of the detector must be at least 4" (.1m) from the wall.
- 8. When mounting on wall the closest edge of the detector must be at least 4" (.1m) and no more than 12" (.3m) from the ceiling.
- 9. When mounting on sloped, gabled or peaked ceilings the horizontal distance of the furthest edge of the detector from the peak must be no more than 3 ft (.9m).

CAUTION! (As required by the California State Fire Marshall) Early warning fire detection is best achieved by the installation of fire detection equipment in all rooms and areas of the household as follows:

(1) A smoke detector installed in each separate sleeping area (in the vicinity, but outside the bedrooms), and (2) Heat or smoke detectors in the living rooms dining rooms bedrooms kitchens hall-

ways, attics, furnace rooms, closets, utility and storage rooms, sements and attached garages.

#### Mounting

Before permanently mounting any wireless device it is recommended to mount the device temporarily and perform a placement test

- 1 Mark and drill 2 holes in the mounting surface. Fasten the bracket to the mounting surface with 2 screws
- 2. Align bracket tabs with the detector slots and rotate the detector as shown. Pull the detector outward to verify that it is securely

Notes: A battery must be inserted into the detector before the detector can be mounted onto the bracket. Unauthorized removal of the unit from the bracket will initiate a tamper alert!

## Configuration

To enter the wireless configuration section enter [804][Zone

### Device Toggles

[001][04] Supervision - Default [Y] Enables supervision of the device

## Audible and Visual Indications

The dual color LED, buzzer and siren are used to signal various alarm and trouble messages as shown below

Condition	Visual Indication (LEDs)		Audio Indica-	
	Red	Yellow	tion (buzzer or siren)	
Smoke alarm	Flash every 500ms	-	3 long beeps every 4 sec.	
Tamper alarm(*)	-	-	Long beep every 2 sec.	
Standby	Flash every 30 sec.	-	-	
Low battery	Flash every 30 sec.	-	Short beep every 30 sec.	
Smoke sen- sor trouble	Flash every 60 sec.	3 Flashes every 60 sec.	Short beep every 60 sec.	
Low sensitiv- ity alarm	Flash every 30 sec.(**)	-	Short beep every 30 sec.	
Need to clean	2 flashes every 30 sec.	-	2 short beeps every 30 sec.	
Fire (siren)	-	-	3 short tones every 1.5 sec.	
Test	See "Smoke Detector Test"			
Alarm Silenced	Flash every 8 sec.		-	

\*The tamper alarm will mute for 3 minutes at first power on, and will revert to normal mode when the tamper switch condition is changed

\*\*Delay of 15 sec. between buzzer beep and LED operation

#### **Battery Replacement**

CAUTION: This product uses lithium batteries, improper handling may result in a HEAT, EXPLOSION or FIRE causing personal injury. DO NOT recharge batteries. Follow the battery manufacturer's safety instructions. Dispose of used batteries in accordance with the regulations in your area.

Replace the detector's battery (lithium) once every 8 years even if there is no indication that the battery is weak. Also be sure to replace it immediately upon reception of a low battery message via vour control panel

If you disregard this message, an audible reminder in the form of a once-per-minute "beep" will sound after a few days. The low-battery "beep" should last at least 30 days before the battery dies out completely

#### Maintenance

It is necessary to maintain the detector frequently to ensure proper operation. Follow these tips for taking care of your detector.

 Use a vacuum cleaner occasionally to keep the air vents free from dust. When a "Clean Warning" transmission is

received, the detector should be cleaned. When a trouble event is received, the detector should be removed

- · Perform detector functional test weekly.
- . A clean (maintenance) signal is transmitted when the detector's chamber sensitivity becomes degraded.

Note: If false alarms keep occurring, check whether the detector's location is adequate. Relocate the unit as necessary. Clean as described above

# Alarm Silencing

This smoke alarm is provided with an automatically resettable alarm silencing feature. When the sensor is in alarm, by pressing the Test/Silence/Reset button it will silence the local annunciation of the alarm and transmit an alarm restoral event to the control panel. The LED will flash every 8 seconds (for up to 8 minutes) to indicate the alarm has been silenced. The flashing LED will ston when the unit returns to normal operation. The alarm silence feature has a fixed time setting that desensitizes the smoke alarm for 8 minutes. The alarm silencing does not disable the smoke alarm but rather reduces its smoke sensitivity. Following the silenced period the smoke alarm restores automatically to its intended operation. If smoke around the unit is dense enough to suggest a potentially dangerous situation, it will stay in alarm, or may return to the alarm state quickly.

## **Owner's Instructions**

#### Fire Safety In The Home

Most fires occur in the home, and to minimize this danger, it is recommended that a household fire safety audit be conducted and a family escape plan be developed

### **Household Fire Safety Audit**

- 1 Are all electrical appliances and outlets in safe condition? Check for frayed cords, overloaded lighting circuits, etc. If you are uncertain about the condition of your electrical appliances or household service, have a professional evaluation.
- 2. Are all flammable liquids safely stored in closed containers. and in a cool and well ventilated area? Cleaning the unit with flammable liquids should be avoided
- 3 Are hazardous materials (i.e. matches) out of the reach of chil-
- 4. Are furnaces and wood burning appliances properly installed, clean, and in good working order? If in doubt, have a professional evaluation

## Family Escape Planning

There is often very little time between the detection of a fire and the time it becomes deadly. Because of this, it is very important that a family escape plan be developed and rehearsed.

- Every family member should participate in the escape plan. Study the possible escape routes from each location within the house. Since many fires occur at night, special attention should be given to the escape routes from sleeping quarters.
- · It is essential that escape from a bedroom be possible without opening the interior door. Consider the following when making your escape plans:
- · Ensure that doors and windows that open to the outside are easily opened. Ensure that they are not painted shut and that the locking mechanisms operate smoothly.
- · If opening or using the exit is too difficult for children, the elderly or handicapped, plans for their rescue should be developed. This plan includes making sure that those who are to perform the rescue can promptly hear the fire warning signal
- · If the exit is above the ground level, an approved fire ladder or rope should be provided, as well as training in its use.
- · Exits on the ground level should be kept clear. Be sure to remove snow from exterior patio doors in the winter and that outdoor furniture or equipment does not block exits.
- · The family should have a predetermined assembly point where everyone can be accounted for; for example, across the street or at a neighbor's house.
- · Once everyone is out of the house, call the Fire Department.
- A good plan emphasizes a quick escape. Do not investigate first or attempt to fight the fire, and do not attempt to rescue belongings or valuables as this takes up time. Once outside, do not re-enter the house; wait for the Fire Department.
- Write the plan down and rehearse it frequently so that should an emergency ever arise, everyone will know what to do. Revise the plan as conditions change; for example, when there are more or fewer family members in the home or if there are changes to the house.

· Make sure your fire warning system is operational by conducting weekly tests. If you are unsure about system operation, contact your smoke detector installer or dealer.

DSC recommends that you contact your local Fire Department and request further information on home fire safety and escape planning. If available, have your local fire prevention officer conduct an in-house fire safety inspection

## Specifications

Detector type: Photoelectric

Alarm Sound Level: 85 dB at 3 m (10 feet)

Frequency Band (MHz) - CE Listed PG4916: 433MHz; PG8916: 868MHz: FCC/IC/UL/ULC listed PG9916: 912-919 MHz

Communication Protocol: PowerG

Tamper Alerts: Tamper event (removal of the unit from its bracket) is reported once. Tamper restore is reported when the tamner switch is restored

Alarm Report: In the alarm condition, the detector sends the alarm event to the control panel. When the alarm condition is restored. the detector sends an alarm restore event to the control panel and sets the alarm restore indication (red LED blinks once per sec.). Note: The alarm restore indication can be cleared via the control

panel only Power Source: 3 Volt CR123A consumer grade, UL listed

Operation Voltage: From 2.5 V to 3 V. Current Drain: 22 µA standby, 200 mA max. in operation

Smoke Density: Europe: 0.09 - 0.14 dB/m

USA: 1 44%/ft to 2 74%/ft

Cover Range: 50 - 100 cubic meters (1770 - 3530 cubic ft.)

Battery Supervision: Automatic transmission of battery status data as part of any transmitted message

Low Battery Threshold: 2.5 V

Audible and Visual Low Battery Warning: Built-in horn beeps every 30 seconds simultaneously with red LED flashing (for up to 30 days when the battery voltage drops) Audible and Visual Degraded Chamber Sensitivity Warning:

Built-in horn beeps every 30 seconds in the middle of red LED flashing intervals - indicates that the detector must be replaced. Clean Warning Transmission: A clean (maintenance) signal is

transmitted when the detector's chamber becomes stained, causing the detector to operate at high sensitivity.

Temperature range: -10°C to +55°C (UL/ULC verified 0° to +49°C)

Relative Humidity: max. 93%RH, non-condensing (UL/ULC ver-

ified max 85%RH) Dimensions: 120 mm (4.7") x 63 mm (2.5")

## Compatible Receivers

433MHz Band: HSM2HOST4: HS2LCDRF(P)4:HS2lCNRF(P)4: DC/1020

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

# **UL/ULC Notes**

Only model PG9916 operating in the frequency band 912-919MHz are UL/ULC listed

For UL/ULC installations use these device only in conjunction with compatible DSC wireless receivers: HSM2HOST9, HS2LC-DRF(P)9, HS2ICNRF(P)9 and PG9920. After installation verify the product functionality in conjunction with the compatible



EN14604:2005/ AC:2008 Smoke Alarm Device Models: PG4916 PG8916

## 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

his 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

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



#### From Tvco Security Products

This equipment complies with FCC and IC RF radiation exposure limits set forth for an uncontrolled

WARNING! To comply with FCC and IC RF exposure compliance requirements, the smoke detector should be located at a distance of at least 20 cm from all persons during normal operation. The antennas used for this product must not be co-located or operated in conjunction with any other antenna or transmitter. 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 accent any interference that may be received or that may cause undesired operation

The term "IC" before the radio certification number only signifies that Industry Canada technical specifications were met

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

## PG9916/PG8916/PG4916

监控无线 PowerG 温感烟感器安装指南

PGx916 温感烟感器提供撤防防区域保护和火灾预警:

- t 在有烟雾或热量 (60°C) 情况下,激活火灾报警。
- † 通讨内置报警喇叭发出警报。
- t将报警信号发送到兼容的无线报警主机。

"测试/静音"开关功能在正常工作情况下为"测试"开关,在 报警情况下为"静音"开关。在报警状态下,按下"测试/静 音"开关,报警器蜂鸣声停止8分钟。如果8分钟后没有恢复 到正常情况,报警器将重新发出蜂鸣声。按下静音开关,不会 恢复报警状态。

按下防拆开关执行器时,该单元已经连接到安装支架上了。从 安装支架上拆除该单元,导致开关触点打开,向报警系统主机 发送一个篡改事件。当禁用该探测器时,不能把它连接到安装 支架上。

# 设备安装

注意: 该探测器的电池盖配有一个红色按钮, 以防止里面没有 电池时,该探测器锁定到安装支架上。该烟感器通过一个 3V CR123A 电池供电。

注意! 只能由服务人员在非危险地点进行安装。只能由服务 人员更换由池。

警告: 切勿卸下电池停止误报。打开窗口或采用风机吹散烟感 器周围的空气,排除烟雾。当烟雾散去后,该报警会自动关 闭。如果误报持续,请根据本手册所述,尝试清洁烟感器。

警告:警报响起时,不要站在靠近烟感器的地方。报警声音很 大,可在紧急情况下唤醒您。近距离范围内过多接触报警喇叭 可能会损害您的听力。

注意: 为了保持烟感器的良好运行, 您必须每周对其进行测

注意: 为了确保执行系统破防后所有无线设备都能连续运行, 建议在破防系统前通过 DLS 执行所有无线设置的全局上传。 在完成系统破防后,下载无线设置。

## 图例

A. 蜂鸣器孔

B. 测试按钮和 LED 灯

C. 支型

D. 探测器

E. 3V CR123A 锂电池, 消费级

F. 电池端子 (无绝缘 休)。

G. 电池盖

H. 注册按钮 防拆开关

注意: 当电池首次接通时,报

警喇叭可能发出1声哔哔声。

1. 用一只手握住支架

2. 逆时针旋转探测器, 并把它 从支架上拿开。



1. 打开探测器。

2. 打开电池盖。



4. 合上电池盖,将探测 器放置在安装支架

### 5. 按下测试按钮约 2 私

注意: 在手动设置无线 设备时, 如果某台设备 已通由 48 小时以上, 那

么在该设备被篡改和恢

复后才能注册到系统中。当通过快速注册流程设置主机时,需 按"将设备注册到系统"所述的步骤操作。 注意: 在恢复了电池电量不足故障后,系统可能需要5分钟来

(E)

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## 将设备注册到系统

如需快速注册:

清除故障。

- 1. 在键盘上,按[\*][8][安装人员代码][804][000]。
- 2. 按住设备注册按钮, 直到 LED 灯常亮, 然后释放注册按 钮,同时LED灯一直亮着。然后,键盘上出现确认消息。
- 3. 按下 [\*] 键确认 ID。
- 4. 输入 [3 位数防区号]
- 5. 输入 [3 位数防区类型]。
- 6. 输入所有需要的子系统的 [1 位数子系统号], 然后按 [#]。 如采用基于菜单的配置, 您可以滚动到所需的子系统, 并 按[\*]切换子系统。

7. 在 LCD 键盘上, 使用词库输入标签。

如需预注册:

1. 将唯一 ID 号远程配置到系统。 如需更多信息,请参见 HSM2HOST 手册。

2. 在现场时,请按下设备注册按钮。

注意: 如果无线设备在通电 48 小时以上时仍未注册, 则需篡 改并恢复该设备,以进行注册。

#### 进行安置测试

永久安装任何无线设备之前, 先暂时安装设备并进行安置测

1. 卸下机盖, 篡改设备。

2. 恢复防拆装置。该设备进入安置测试模式,长达 15 分钟。 3. 红色 LED 灯闪烁一次,指示一个信号被发送给接收器;闪 炼三次,指示信号强度。下表展示了所接收的信号强度。

74	1 Personal of the pension of the con-
LED 响应	信号强度
绿色 LED 灯闪烁	强
橙色 LED 灯闪烁	良好
红色 LED 灯闪烁	弱
无闪烁	无通信

重要提示! 只有"良好"或"强"信号强度是可以接受的。如 果您从设备收到的信号差,请重新定位并对其进行重新测试, 直到接收到"良好"或"强"信号

注意: 对于 UL/ULC 安装, 只有"强"信号等级是可以接受的。 安装后,连接兼容的接收器 HSM2HOST9、HS2LCDRF(P)9、 HS2ICNRF(P)9 和 PG9920,验证产品功能。

注意: 如需详细的安置说明, 请参见主机"参考指南"。

#### 在哪里安装烟感器

根据美国火灾报警法规: 29.5.1.1, NFPA 72 第 29 章, 在美 国应始终安装烟感器。29.5.1.1. 根据其他依据的法律、法规 或特定类型的入住标准,已批准的单站和多站烟感器应当安装 在以下位置:

- 1 所有卧室和安房
- 2. 每个住宅单元睡眠区外面,在距卧室门 21 英尺 (6.4 米) 的距离内, 这个距离是沿走路的路线测量的距离。 3. 住宅单元的每一层,包括地下室。
- 4. 住宅区的每一层和看护处 (小设施),包括地下室,但不 包括爬行空间和未装修的阁楼。
- 5 套房的居住区。
- 6. 住宅区的每一层和看护处 (小设施)的居住区。

在下列家中区域和所有房间内安装火灾探测设备, 可以实现最 佳的早期火灾预警探测:

(1) 烟感器安装在每个独立的睡眠区 (在卧室附近,但在卧室 外); (2) 在客厅、餐厅、卧室、厨房、走廊、阁楼、炉室、 壁橱、杂物间和储藏室、地下室和附加车库内安装热量或烟感



永久安装仟何无线设备之 前, 建议先暂时安装设备并 进行安置测试。





注意: 必须将电池插进探测器, 然后才能将探测器安装到支架 到报警状态。 上。非法从支架中拆除该单元,将启动一个防拆警报!

# 配置

输入 [804][ 防区号], 进入无线配置段。

设备切换 [001][04] 监控-默认[Y]

启用设备监控。

## 可闻和可视指示

双色 LED、蜂鸣器和警铃用于发出各种报警信号和故障消息, 3. 有害材料 (如火柴) 是否放在儿童够不到的地方? 如下所示:

情况	可视指示 (LED)		音频指示	
	红色	黄色	(蜂鸣器或警 铃)	
烟雾报警	每 500ms 闪烁一次	-	每 4 秒发出 3 声长哔哔声	
防拆报警 (*)	-	-	每 2 秒发出 1 声长哔哔声	
待机模式	每 30 秒闪 烁 1 次	-	-	
电池电量低	每 30 秒闪 烁 1 次	-	每 30 秒发出 1 声短哔哔声	
烟雾传感器 故障	每 60 秒闪 烁 1 次	每 60 秒闪 烁 3 次	每 60 秒发出 1 声短哔哔声	
灵敏度低报 警	每 30 秒闪 烁 1 次 (**)	-	每 30 秒发出 1 声短哔哔声	
需要清洁	每 30 秒闪 烁 2 次	-	每 30 秒发出 2 声短哔哔声	
火灾 (警 铃)	-	-	每 1.5 秒发出 3 声短信号音	
测试	参见"烟感器测试"			
静音报警	每8秒闪烁 1次		-	

\*第一次通电时, 防拆报警将静音 3 分钟, 防拆开关状态改变 时,它会恢复到正常模式。

\*\* 蜂鸣声和 LED 工作之间的延迟为 15 秒。

注意: 本产品使用锂电池, 处理不当可能会导致发热、爆炸或 火灾,造成人身伤害。请勿对电池充电。遵守电池制造商的安 全说明。根据您所在地区的法规处理废旧电池。

即使没有迹象表明电池电量不足, 请每8年更换一次探测器 的电池 (锂电池)。另外,通过主机接收到低电量消息后,请 务必立即更换电池。

如果您忽略此消息,几天后,将以每分钟一次的哔哔声形式发 出提醒。电池电量低的哔哔声应当至少持续 30 天,直到电池 电量完全用尽。

· t 当探测器室内的灵敏度降低时,会发出清洁 (维护)

注意: 如果误报不断发生,请检查该探测器的位置是否适当。 如有必要, 重新安放该单元。如上所述进行清洁。



该烟雾报警器具有自动复位报警静音功能。当该传感器报警 时, 按下"测试/静音/复位"按钮, 它会静音报警的本地警 示, 并将报警恢复事件发送到主机。LED 灯将每8秒 (最长 8 分钟) 闪烁 1 次,以表示已静音报警。当该单元返回到正常 操作时, LED 会停止闪烁。报警静音功能有一个固定的时间 设置, 使烟雾报警器灵敏度降低 8 分钟。报警静音不会禁用 烟雾报警器, 但会降低其烟雾灵敏度。静音期间, 烟雾报警器 会自动恢复到其预定的操作。如果该单元周围的烟雾密度很 高,足以提示有潜在的危险情况,它会一直报警,会迅速返回

# 用户说明

家中消防安全

大部分火灾发生在住宅中,为了尽量减少这种危险,建议进行 家庭消防安全审查,并制定家庭脱险方案。

### 家庭消防安全审查

- 1. 所有的电器和插座是否安全? 检查是否有磨损的电线、照 明电路超载等。如果您不确定电器或家庭服务的情况,请 专业人士评估这些设备。
- 2. 所有易燃液体是否安全地存放在通风良好的阴凉处的密闭 容器中? 应避免使用易燃液体来清洗该单元。
- 4. 火炉和燃烧木材的器具是否正确安装,清洁和运行良好 呢?如有疑问,请专业人员评估这些设备。

#### 家庭脱险方案

检测火灾和火灾导致死亡之间的时间往往很少。因此制定并 演练家庭脱险方案非常重要。

- t 每个家庭成员都应当参与制定脱险方案。
- t 从房子内的每个位置研究可能的脱险路线。由于许多 火灾发生在夜间, 因此应特别注意从卧室的逃生路线。
- t 从卧室脱险, 而无需打开室内门。制定脱险方案时请 考虑以下情况:
- t确保容易打开通往外面的门和窗。确保它们没有喷涂 关闭, 而且锁定机制运行正常。
- t 如果打开或使用出口对儿童、老人或残障人士太困 难,则应该制定救援方案。该方案包括确保那些执行 救援的人能及时听到火灾报警信号。
- •t 如果出口在地面以上,应该提供批准的消防梯或绳索 以及用法方面的培训。
- t 地面上的出口应该保持畅通。在冬天, 务必移除外部 天井门的雪, 而室外家具或设备不应该阻塞出口。 •t家人都应该知道每个人都可以说明的预定集结点,例
- 如穿过马路或在邻居的房子。 •t 一旦每个人都走出房子, 请致电消防处
- ·t 一个好的方案强调快速脱险。不调查或试图救火,并 且不试图拯救财物或贵重物品, 因为这会浪费宝贵的 时间。一旦出去,不得再次进入房子。等待消防局人 易。
- t 写下该火灾脱险方案并不断排练,这样,如果发生紧 急情况,每个人都知道做什么。随着情况的变化修改 方案, 如家里的人数或房屋变化。
- t 每周测试您的火灾告警系统,确保正常运行。如果您 不确定系统运行, 请联系您的烟感器安装人员或经销

DSC 建议您联系当地的消防部门,请求获得家庭火灾安全和 脱险方案的更多信息。如果可以,请当地的消防人员进行室内 消防安全检查。

探测器类型: 光电

报警声级: 3米 (10英尺) 距离时为85dB

频段 (MHz) - 通过 CE 认证的 PG4916 433MHz; PG8916 868MHz: 通过 FCC/IC/UL/ULC 认证的 PG9916: 912-919 MHz

#### 通信协议: PowerG

防拆警报: 报告一次防拆事件(从支架中拆除该单元)。恢复 防拆开关后,从报告防拆恢复。

报警报告: 在报警状态下,该探测器将报警事件发送给主机。 恢复报警状态后,该探测器将报警恢复事件发送给主机,并设 置报警恢复指示 (红色 LED 灯每秒闪烁 1 次)。

注意: 只有通过主机才能清除报警恢复指示。

电源: 3V CR123A 消费级,通过 UL 认证

工作电压: 从 2.5 V 到 3 V。 消耗电流: 待机模式为 22 A, 工作模式最大为 200 mA 烟雾密度: 欧洲: 0.09 ñ 0.14 dB/m

美国: 1.44%/ft 至 2.74%/ft

覆盖范围: 50 - 100 立方米 (1770 ñ 3530 立方英尺)

电池监控: 自动传输电池状态数据, 作为任何传输消息的一部

电池电量低门限值: 2.5 V

可闻和可视电池电量低警告: 内置喇叭每 30 秒发出蜂鸣声, 同时红色 LED 灯闪烁 (当电池电压下降时最长可达 30 天)。 可闻和可视的室内灵敏度降低警告:红色 LED 灯闪烁间隔中 间,内置喇叭每30秒发出蜂鸣声,表示必须更换该探测器。 发出清洁警告: 当该探测器室内有污垢时,会发出清洁(维 护)信号,同时探测器以高敏感度工作。

温度范围: -10°C 至 +55°C (UL/ULC 验证为 0° 至 +49°C) 相对湿度: 最大为 93%RH, 无冷凝 (UL/ULC 验证的最大为 85%RH)

外观尺寸: 120 mm (4.7") x 63 mm (2.5")

兼容的接收器

433MHz 新带. HSM2HOST4: HS2LCDRF(P)4;HS2lCNRF(P)4; PG4920

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

HS2ICNRF(P)9: PG9920

注意: 只有运行在 912-919MHz 频带内的设备通过了 UL/ULC

Hereby, DSC, declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. The complete R&TTE Declaration of Conformity can be found at http://www.dsc.com/listings\_index.aspx

(CZE) DSC jako výrobce prohlašuje, že tento výrobek je v souladu se všem relevantními požadavky směrnice 1999/5/EC.

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- 由于不当维修导致的损坏
- 由于其他滥用、误操作或不正确使用产品情况导致的损坏。

#### 保证中的未尽事官

除了不属于产品质量保证范围的事项以外,本保证还不应把下列事项包含在 内: (i) 维修中心的货运成本: (ii) 产品没有 DSC 产品标签和批号或序列号 ; (iii) 以下述方式拆卸或修理产品:对性能产生负面影响或导致正确检验或 测试不能进行,因而无法核实购买者提出的产品质量保证要求是否有效。 DSC 将自行决定赊销或更换为在保证期内更换而退回的赊购卡或标签。本 保证不匀含对由于老化 滥用或损坏异致超出保证范围的产品此进行鉴定 并提供修理概算。只有在从客户那里收到有效购买订单月 DSC 客户服务部 发放退货批准编号 (RMA) 后、才会进行修理工作。DSC 对在合理尝试次数 后仍然无法修好产品的责任将限于更换产品,作为对违反产品质量保证的唯 一赔偿。无论在任何情况下,DSC 都不对由于违反此保证,违反合同,疏 忽,严格赔偿责任或任何其他法理而造成的任何特殊的, 偶然的或间接的损 失负责。上述损失包括,但不局限于,利润损失、产品或任何关联设备丢 资本耗费, 替代或更换设备费用, 设施或服务费用, 停机损失, 购买者 的时间损失, 第三方的索赔(包括客户)款项以及财产损失。有些国家或地 区的法律限制或不允许免除间接损失的责任。如果此类国家或地区的法律适 用于 DSC 提出的或针对 DSC 的任何索赔。本文件中包含的限制和免责声 明此依照法律许可的最大程度执行。有些州不允许排除或限制偶然或间接损 失,因此此述条款可能不适用于您

保证的负责亩邮

此保证包含完整的保证,并取代任何和所有其他保证,无论是明示还是默示 的保证(包括对于适销性或特定适宜性的所有默示的保证)。在 DSC 应承 担的所有其他义务或责任之中,DSC 既不承担,也不授权声称代表 DSC 的 任何其他人,修改或更改此保证,也不让 DSC 承担与此产品相关的任何其 他保证或责任

此保证的免责声明和有效保证受加拿大多伦多省法律制约。

: DSC 建议对整此系统进行此期测试。但是,不管是否经常测试,由 于(但不局限于)发生非法篡改或电器干扰,此产品也可能无法正常工作。 超出保证期的修理 对于按照下此条件退回厂家的超出保证期的产品。DSC 将自行决定进行修理还是更换。此商品退回 DSC 之前,必须首先获得批准 编号。DSC 将不会接受没有事先获得批准就退回的商品。DSC 确定可以修 理的产品将进行修理并返还。并对每个修理的设备收取一笔固定费用 DSC 已预先确定具体费用标准 而且可能随时进行修订。DSC 确定不能修

理的产品将用功能接近的产品进行更换。每个更换设备将收取相当于当前 市场价格的费用。

警告 请仔细阅读 安装人员须知

本警告包含重要信息。作为与系统用户接触的唯一个人,您有责任让此系统 的用户注意本警告中的各项内容。

此系统经过精心设计 可实现最大程度的有效性 然而 在涉及火灾 恣窮 或其它类刑的坚刍事件情况下 此系统可能无法规则防护作用 由于种种原 因 任何类型的任何报警系统都可能会谨慎平衡处理 否则可能无法按照预 期方式工作。下面介绍其中一些(但并非全部)原因 安装不当

安全系统安装正确 才能提供充分保护。每次安装均应经过安全专业人士鉴 定,以确保涵盖所有入口点和区域。门窗上的锁和插销必须牢靠,并正常运 作。门窗、墙壁和其它建筑材料必须具有合格的抗力和构造、才能提供应有 的保护水平。在任何建筑活动期间和之后,都必须进行一次重新鉴定。尽可 能由消防和/或公安部门进行鉴定。 初舞知识

此系统包含有制造时确定有效的安全功能。具有犯罪倾向的人可能会研究出 降低这些功能的有效性的方法。因此,定期检查安全系统非常重要,这样可 以确保安全系统的功能保持有效 并确保一日发现安全系统不能提供应有的 保护,就马上更新或更换安全系统

λ 侵者讲 λ 入侵者可能会通过不受保护的入口点进入,避开传感设备,穿越安全系统检 測不到的区域逃避监测、断开报警设备或干扰或阻止系统正常工作。 由源故障

控制单元、入侵检测器、烟感以及许多其它安全设备都需要一个合格的电 源,才能正常工作。如果某个设备通过电池工作,电池可能会失效。即使电 池没有失效,也必须给电池充电,保持电池完好无损且正确安装。如果一个 设备仅通过交流电工作 任何中断 (无论时间多短)都会使该设备在断电时 无法工作。供由中断无论多长 通常都会伴随着有由压波动 这会损坏像安 全系统这样的电子设备。发生断电后,请立即全面地检测系统,以确保系统

可更换电池发生故障

此系统的无线发射器设计为正常情况下电池可以工作多年。预期电池寿命是 设备环境、设备使用情况和设备类型的一个函数。环境情况(如高温、高温 或低温或温度大幅波动)可能会缩短预期电池寿命。尽管每个发射设备都配 备有电池电量监视器(该监视器确定何时需要更换电池),此监视器可能无 法正常工作。定期检测和维护可使系统处于良好的工作状态。

射順 (无线)设备的危害 信号并不一定在各种情况下都能到达接收器,这些情况包括:在无线波路径 上或附近放了金属物体、故意干扰或其它非有意的无线电信号干扰。 玄统田户

用户可能无法操作应急开关,这可能是由于永久或暂时身体残疾、无法及时 接近设备或不熟悉正确操作。重要的是,应培训所有系统用户正确操作报警 设备,并让他们知道,当系统显示警报时如何做出反应。

烟感是此系统的一个部分,它可能由于种种原因而无法正确警告居住者防 止火灾,下面列出其中一些原因。烟感可能没有正确安装或固定。烟雾可 能无法到达烟感,例如,火灾在烟囱、墙壁或屋顶或在关闭的门的另一边 发生。烟感可能监测不到住处或建筑物另一高度上发生的火灾的烟雾 每场火灾产生的烟雾量和燃烧速度都是不同的。烟感可能无法同样有效地监 测到各种类型的火灾。 烟威可能不会及时对组心大音或安全事故导致的火灾 提出警告、例如、床上冒烟、则列爆炸、燃气泄露、易燃材料存放不当、电

路负荷讨重、儿童玩火柴或人为纵火。 即使烟感正常工作,在某些情况下,由于警告不够,而使所有居住者不能全

部及时逃离,免受损伤或致死。 移动探測器

移动探测器只能探测到加相应安装说明书中所述的指定范围内的运动。它们 无法辨别入侵者和预定居住者。移动探测器不提供容积区域保护。移动探测 器具有多个探测波束,只能探测到这些波束覆盖的无障碍区域中发生的运 动 移动探测器无法探测到墙壁 天龙板 地板 美闭的门 玻璃隔板或玻 璃门窗后面发生的运动。任何类型的损害,无论是有意还是无意的,例如 将任何材料遮蔽, 油漆或喷溅到临测系统镜头, 镜面, 视窗或任何其它部 位 都会影响监测系统正堂工作。

被动红外线移动控测哭通过威应温度亦业进行工作 伯早 当温度接近或高 于体温时或监测区域中或监测区域附近存在有意或无意的热源时,就会降低 被动红外线移动探测器的有效性。其中某些热源可能会是加热器、散热器、 火炉、烧烤架、壁炉、日光、排气口、照明,等等。

告警设备 加里有隔离墙或隔离门 告警设备 / 加警报器 警铃 报警喇叭或报警脉冲 等)可能不会向人员告警或唤醒熟睡中的人。如果告警设备处在住处或场地 的不同水平上,则可能不会告警或唤醒居住者。音响告警设备可能会受到其 它噪声源的干扰,如:立体声系统、收音机、电视、空调或其它电器设备或 讨往车辆等。音响告警设备尽管声音很高,但是有听觉障碍的人也可能听不

如果使用电话线发送报警,电话线可能会在某些时段不能使用或占线。而 日. 入侵者可能会切断电话线,或者会使用很难探测到的更先讲的手段使其 无法工作。

在某些情况下,系统会正常工作,但由于居住者无法及时响应报警,因而无 法避免紧急事件发生。如果系统受到监控,可能不会及时发生响应,导致无 法保护居住者或其财物。

尽管已经采取各种措施使此系统尽可能可靠,但是系统可能会由于组件故障 而无法正常工作。 测试不当

通过定期测试和维护,可以发现使报警系统无法正常工作的多数问题。应每 周測试整个系统,而且应在闯入、试图闯入、火灾、暴风雨(雪)、地震、 事故或房屋内外任何建筑物活动之后,对整个系统进行测试。测试应包括所 有监测设备、键盘、控制台、报警设备以及属于系统组成的任何其它操作设

许可协议的条款对您实行授权。

不管其功能如何,报警系统不能取代财产保险或人寿保险。报警系统也无法 取代财产所有者、租赁者或其他居住者,采取必要措施防止紧急情况发生 或最大程度地减少紧急情况造成的有害影响。

重要 - 请仔细阅读:无论是单独购买,还是产品和部件附带的 DSC 软件 其版权都有归属 对其购买要遵循以下条款

- 该最终用户许可协议 ("EULA") 是您 (已获取该软件和相关硬件的公司、 个人和团体)和 Tyco Safety Products Canada Ltd. 分公司 ——Digital Security Controls ("DSC") 之间的法律协议。该公司是集成安防系统的 制造商。也是您已获取的该软件和相关硬件或部件的开发商。
- 如果 DSC 软件产品 ("软件产品"或"软件") 和硬件绑定销售, 但没有 和新硬件绑定,那么您不能使用、拷贝或安装软件产品。软件产品包括计 簠机软件 可能还有相关多媒体、印刷资料和在线或电子文档。 提供与另外最终用户许可协议相关的软件产品时附带的任何软件按照该

- 旦安装、复制、下载、储存、访问或使用了软件产品 , 您将无条件同 意接受本 EULA 条款,即使本 EULA 被视为是先前协议或合约的修订。 如果您不同意该 EULA 中条款, DSC 则不能将 SOFTWARE PRODUCT 授权给您 您则无权使用它。

本软件产品受版权法,国际版权条约和其他相关知识产权法和条款保护。本

软件仅授权使用,非出售。 1. 协议授予: 本 EULA 授予您以下权利

- (a) 软件安装与使用 对于您获得的每个许可,您可以安装仅 一份软件产品接贝。
- (b) 存储 / 网络应用 不能同时在或从不同计算机中安装、访 问、显示、运行、共享或使用该软件产品、包括工作站、 终端 或其他数字电子设备。换而言之 如果您有几个丁 作站,那么你必须为每个要应用该软件的工作站获取一个 许可证.

(c) 备份拷贝 您可以多次备份拷贝该软件产品。但是在给定时 间仅允许安装每个许可的一份拷贝。备份拷贝仅用于存档。除 在本协议中明确说明,否则不得另外复制本软件产品,包括其 印刷品。2. 其他权利和限制说明

- ((a) 反向工程, 反编译, 反汇编限制 除非或仅在法律明确准许 范围之内(尽管有此限制),否则您不能对本软件实施反 响工程、反编译或反汇编。未经 DSC 官方书面允许,您不 能改变或修改该软件,不能从软件删除任何专有标记、商 标或标志。您要采取合理措施来确保符合 EULA 的条款和
- (b) 组件拆分 本软件产品作为独立的产品进行授权。它的组 件不能被拆分、并用于一个以上的硬件单元。

单一集成产品 如果您在购买硬件的情况下获 、 取本软件,那么软件产品和硬件作为一个独立的集成产品被授 权。在这种情况下,正如 EULA 阐述一样,仅在使用硬件时才 能使用软件产品。

转售 不得出租,租赁或出借本软件产品。也不得转于他 人使用 或在服务器或网站上发布。

(e) 软件转让 如果您没有保留任何拷贝并且您要转让全部软件产品(包括 部件、多媒体和印刷材料、任何升级版本和该 EULA), 如果接收者同意 FUIA中条款 那么您可以将您所有 FUIA 授予的权利仅作为永久销售的 一部分转让或将硬件转让。如果本软件产品是旧版本的更新,转让必须包 含所有旧版软件产品,

(f) 终止协议 如果您违反了 EULA 条款和条件, DSC 在不伤害您其他权利 的情况下终止该 EULA。在这种情况下,您必须销毁所有软件产品拷贝 及其所有部件

商标 本协议并未授权您是使用任何DSC商标权或其供应 商的服务商标。

3. 版权:本软件产品、附带印刷材料及软件拷贝中的所有所属权和知识产权 包括但不限于软件中的 图片、照片和文字 归 DSC 或其供应商所有。不得 复制附带的印刷材料,通过使用该软件产品而获悉的某些内容的所有所属权 和知识产权属于这些内容的拥有者,并受版权或其他知识产权法律和条约保 护。EULA 没有授权您使用这些内容。EULA 没有明确授予的所有权利归 DSC 及其供应商所有。

4. 出口限制: 不得将本软件产品出口或转出口到任何受加拿大出口限制的国 家、个人或团体。

5 法律管辖·本软件许可协议受加拿大安大略省法律管辖。

6. 仲裁:由本协议引发的所有争议将根据仲裁法案进行仲裁。仲裁是终局 的,对双方均有约束力。双方都要服从仲裁决定。仲裁地点应在加拿大,多 伦多,仲裁语言应为英语。

7 有限知保 (a) (a) 免除担保 DSC 只"按原样"提供软件本身,并不作其他方面的担保。 DSC 不会保证该软件能满足您的需要、其运行无障碍、无错误。

(b) 改变运行环境 针对因硬件操作环境改变或与非DSC软硬件产品进行交 互引起的问题 DSC 不负责任。

- (c) 赔偿责任限制;保证中的风险分配 在任何情况下,如果任何法令包含 了该许可协议中没有阐述的担保或条件,根据该许可协议条款、DSC的 全部责任局限于在您为该软件产品的许可协议实际支付的数额和5加元 (CAD\$5.00)中选择较大的数额作为赔偿。因为有些司法管辖区不允 许排除或限制间接或意外损坏,所以上述限制可能对您不适用。
- 免责声明 本担保涵盖完整的担保条款,并取代任何及所有其他担 保,无论是明示还是暗示(包括适销性和特定适宜性的所有暗示保证) 也取代 DSC 的所有其他责任或 V 条、DSC 不承诺其他相保 不委托或 授权他人修改或改变该担保 不承担关于该软件产品的其他担保和责
- 免除赔偿和 担保限制 在任何情况下,针对因违反该担保、协议,或因 注律疏勿和严重错误 或以其他注律理论为其础而产生的任何结碎的 音外的 继发的或间接的损坏 DSC 不承担任何责任。这种损害包括 但不仅限于,利润损失,软件产品或任何相关的设备损坏,资金成本 替代或更换设备的费用,设施或服务,停机时间,购买时间,包括客户 的第三方索察和财产损失

警告: DSC 推荐对整个系统定期进行系统检测。但是,即使频繁检测,因 为(但不限制于)非法入侵、电子干扰或其他原因,本软件产品仍有可能运

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