KF-235 PG2

Visonic
A Tyco International Company

GB	Wireless PowerG 2-Way Keyfob - User's Guide
ES	Mando 2 Vías PowerG Inalámbrico - Guía del usuario
PT	Dispositivo de Chaves Seguidas de 2 Vias PowerG Sem Fios - Guia do utilizador

GB

1. INTRODUCTION

KF-235 PG2 is a PowerG keyfob, for use with the PowerMaster panels.
Commands are invoked by pressing any of the four command buttons. Status is indicated via the Status LEDs and buzzer after every command.

2. INSTALLATION

2.1 Enrollment

Refer to the PowerMaster panel's Installer Guide and follow the procedure under the **"02:ZONES/DEVICES"** option of the Installer Menu.

Step 1	Step 2	Step 3	Step 4
Enter the Installer menu and select "**02:ZONES/DEVICES**"	Select "**ADD NEW DEVICE**" See Note 1	Enroll the keyfob by holding the ❄ button and release it as soon as the yellow LED lights, or, enter the device ID (on the back of keyfob)	Select the desired Keyfob Number for the new keyfob
02.ZONES/DEVICES ⇨	ADD NEW DEVICES ⇨	ENROLL NOW or ENTR ID:XXX-XXXX ⇨	F02:Keyfob ID No. 301-XXXX ⇨
	MODIFY DEVICES		

Step 5	Step 6	Step 7	Notes:
Enter PARTITIONS. See Note 2	Assign partitions by pressing the 1, 2 and 3 buttons	Select "Device Settings" and see below to configure the (AUX) button.	*1. If the keyfob is already enrolled, you can configure the keyfob parameter and assign partitions via the **"Modify Devices"** option – see Step 2.*
F02:PARTITIONS ⇨	F02:P1■ P2 P3■ ⇨	F01:DEV SETTINGS ⇨	*2. PARTITIONS will appear only if PARTITIONING was previously enabled in the panel.*

⇨ means scroll ▶▶ and select OK

2.2 Configuring the New Keyfob Template

Enter the DEVICE SETTINGS menu and follow the configuration instructions for the KF-235 PG2 keyfob as described in the following table.

Option	Configuration Instructions
AUX A	Here you select the function of the "✱" button on the keyfob device. Options: **Arm instant** (default); **Not Used**; **Status**, **Stop Beeps**, **Skip exit delay**, and **PGM**. **Not Used:** No function assigned to the AUX button. **Status:** Control panel displays and announces* the system status. **Stop Beeps:** The control panel and other devices in the system stop beeping (for example during exit or entry delays). **Skip exit delay:** Immediately stops the exit delay and causes the system to arm. **PGM:** Activates the PGM output.. **Arm instant:** While exit delay is in progress, this will cause the system to arm instant – (the entry delay is canceled). * Applicable only to control panels that support the voice option.

3. USING THE KEYFOB

3.1 Keyfob Functionality

Step	Functions	User Actions	ARM/DISARM LED Indication
1	Arm AWAY		Blue LED above AWAY button lights 
	Arm HOME		Blue LED above HOME button lights 
	Disarm (OFF)		Blue LED above DISARM button lights 

Step	Functions	User Actions	ARM/DISARM LED Indication
2	LATCHKEY		Blue LED above AWAY button lights 
3	PANIC alarm	Press the  and  buttons simultaneously (≈ 2 sec.)	-
4	AUX		According to the state of the alarm system, see section 2.2

3.2 Keyfob Response

When executing a command, the keyfob's Transmission LED blinks red once to indicate transmission of the command to the control panel. If the operation is **successfully completed**, the green LED lights momentarily and a **"happy tune"** is heard. If the operation **fails or cannot be completed**, for example, when the system is "not ready", the red LED lights steadily and a **"sad tune"** is heard. When executing a command and there is a communication failure between the keyfob device and the control panel, the keyfob's Transmission LED remains off and no tune is heard.

3.2.1 Primary LED and Buzzer Response to Keyfob Commands

Panel Response	Buzzer Indication	Transmission LED Indication
Success: Operation is successfully completed	 Happy (**success**) beep	Momentary GREEN
Fail: Operation **failed**	 Sad (**failure**) beep	Momentary RED
No communication: For example, control panel is out of range.	None	None
Keyfob low battery: ***Note:*** *If transmission is still possible despite the battery condition, the unit will send a low battery signal to the control panel.*	Depends on the operation that is performed	Blinks yellow 2 sec.
Trouble in system:	Depends on the operation that is performed	Lights yellow 2 sec.

When forced arming (bypass zones) is performed, the keyfob buzzer "protests" by emitting a continuous tone during the exit delay for 5 seconds (for more details, see the PowerMaster Installer Guide, section 5.5.2).

3.2.2 Arming LED indication

When executing a command using the keyfob device, the status of the control panel is indicated by the status LEDs that light blue.

System State	ARM/DISARM LED Indication
Exit from DISARM to AWAY	AWAY lights
Exit from DISARM to HOME	HOME lights
Entry from HOME	DISARM blinks
Entry from AWAY	DISARM blinks
Exit from HOME TO AWAY	AWAY lights
Exit from AWAY TO HOME	HOME lights
Installer mode, Sync mode or when the system is otherwise reachable but unavailable	AWAY, HOME, DISARM all blink twice, wait, then blink twice again

4. MAINTENANCE

4.1 Replacing the Battery

When the keyfob device stops operating due to low battery and until the time the battery is completely depleted, all LEDs will light blue.
A replacement 3V battery, CR-2032, is available from hardware and electrical supply stores. Replace the battery as shown in Figure 2.
Caution! *Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the manufacturer's instructions.*

4.2 Cleaning

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

The use of abrasives of any kind is strictly forbidden. Also never use solvents such as kerosene, acetone or thinner.

4.3 Periodic Test

Wireless equipment should be tested regularly to determine whether there are sources of interference and to protect against faults.
Refer to the PowerMaster Installer Guide, Chapter 6 Periodic Test, for instructions on how to conduct a periodic test.

5. TROUBLESHOOTING

Problem	Diagnosis	Proposed actions
Keyfob does not enroll	1. Keyfob was pre-enrolled	1. Enroll the keyfob again in the vicinity of the control panel.
	2. The wrong ID number was entered	2. Reenter the ID number
	3. No free location	3. If the maximum number of keyfobs has already been enrolled the alarm system will not allow enrolling any more keyfobs.
	4. Unknown device	4. Make sure the frequency used for the device is the same as the control panel frequency.
Keyfob LED does not light when button is pressed	Low battery condition	Replace the battery

 **CAUTION!** Wireless control panels may be blocked by radio signals occurring on or near their operating frequencies**.**

6. COMPLIANCE WITH STANDARDS

Compliance with Standards

Europe: EN 300220, EN 50131-1 Grade 2, Class II and (EN 50134-2 Class II if used for social alarm), EN 301489, EN 50130-4, EN 60950, EN 50131-6
The KF-235 PG2 is compatible with the RTTE requirements - Directive 1999/5/EC of the European Parliament and of the Council of 9 March 1999 and EN50131-1 Grade 2 Class II.
Certified by the Dutch testing and certification body *Telefication BV* to the following standards :