

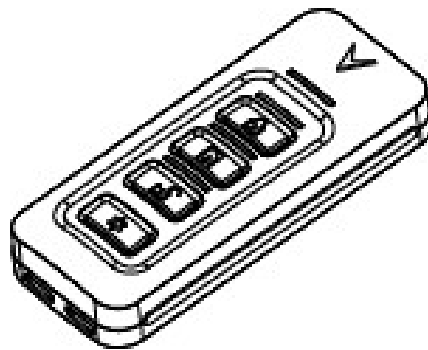


Visonic KF-235 PG2 Wireless PowerG 2-Way Keyfob User Guide

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KF-235 PG2
Wireless PowerG 2-Way Keyfob
User's Guide



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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

INSTALLATION

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












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	<p>Here you select the function of the “*” button on the keyfob device.</p> <p>Options: Arm instant (default); Not Used; Status, Stop Beeps, Skip exit delay, and PGM*.</p> <p>Not Used: No function assigned to the AUX button.</p> <p>Status: Control panel displays and announces** the system status.</p> <p>Stop Beeps: The control panel and other devices in the system stop beeping (for example during exit or entry delays).</p> <p>Skip exit delay: Immediately stops the exit delay and causes the system to arm.</p> <p>PGM: Activates the PGM output.**</p> <p>Arm instant: While exit delay is in progress, this will cause the system to arm instant – (the entry delay is canceled).</p> <p>* For UL Listed products, it is not permitted to enable either Stop Beeps or PGM.</p> <p>** Applicable only to control panels that support the voice option.</p>

USING THE KEYFOB

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 
2	Disarm (OFF)		Blue LED above DISARM button lights 
3	LATCHKEY		Blue LED above AWAY button lights 
4	PANIC alarm*	Press the  and  buttons simultaneously (≈ 2 sec.)	–
5	AUX		According to the state of the alarm system, see section 2.2



* For UL Listed product, “PANIC” is for Ancillary Use only.

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.

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, the control panel is out of range.	None	None
Keyfob low battery: Note: If the 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 the 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).

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

MAINTENANCE

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, VARTA CR-2032, is available from hardware and electrical supply stores. Replace the battery as shown in Figure 2.

Caution! The battery may explode if replaced by an incorrect type or if mistreated. Do not recharge, disassemble, or dispose of the battery in fire.

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.

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.

TROUBLESHOOTING

Problem	Diagnosis	Proposed actions
Keyfob does not enroll	<ol style="list-style-type: none">1. Keyfob was pre-enrolled2. The wrong ID number was entered3. No free location4. Unknown device	<ol style="list-style-type: none">1. Enroll the keyfob again in the vicinity of the control panel.2. Reenter the ID number3. If the maximum number of keyfobs has already been enrolled the alarm system will not allow enrolling any more keyfobs.4. Make sure the frequency used for the device is the same as the control panel frequency.
Keyfob LED does not light when a 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.

COMPLIANCE WITH STANDARDS

Compliance with Standards



Europe: EN 300220, EN 50131-1 Grade 2, Class II and, EN 301489, EN 50130-4, EN 60950, EN 50131-6, 50131-3, EN

50130-5 Hereby, Visonic Ltd. declares that the radio equipment type KF-235 PG2 is in compliance with Directive 2014/53/EU

The full text of the EU declaration of conformity is available at the following internet address: <http://www.visonic.com/downloadcenter>.

Certified by Norwegian accredited certification body Applica Test & Certification AS in accordance with EN 50131-3, EN 501316, EN 50131-5-3, EN 50130-4, and EN 50130-5.

Applica T&C has certified only the 868 MHz variants of this product.

USA: CFR 47 Part 15 (FCC)

Canada: RSS 210

UK: This product is suitable for use in systems installed to conform to PD6662 at Grade 2 and environmental class 2.

DD243 and BS8243

According to EN 50131-1, this equipment can be applied in installed systems up to and including Security Grade 2, Class II.

EN 50131-1

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules 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 received, including interference that may cause undesired operation.

Note: This equipment 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 a residential installation. 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 communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning!

Changes or modifications to this equipment not expressly approved by the party responsible for compliance (Visonic Ltd.) could void the user's authority to operate the equipment.

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

APPENDIX: SPECIFICATIONS

Frequency Band (MHz)	Europe and rest of world: 433-434, 868-869 USA: 912-919 For UL Listed product, the KF-235 PG2 operates at 912-919 MHz.
Maximum Tx power	10dBm @ 433MHz, 14dBm @ 868MHz
Battery type	VARTA 3V CR-2032 Lithium battery.
Low Battery Thresh old	2.1 V
Battery Life Expect ancy	5 years (for typical use)
Power Supply	Type C, EN 50131-6, CR 1001
Operating Tempera ture	0° to 55°C (32° to 131°F)
Humidity	For UL Listed product, the Ambient Temperature is 0 to 49°C. Average relative humidity ~ 75% non-condensing. 30 days/year relative humidity may vary 85 % ~ 95 % non-condensing UL Listed product, the Relative Humidity is 93%.
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).

W.E.E. Product Recycling Declaration




For information regarding the recycling of this product, you must contact the company from which you originally purchased it. If you are discarding this product and not returning it for repair then you must ensure that it is returned as identified by your supplier. This product is not to be thrown away with everyday waste.



Directive 2002/96/EC Waste Electrical and Electronic Equipment.

Documents / Resources

	<p>Visonic KF-235 PG2 Wireless PowerG 2-Way Keyfob [pdf] User Guide</p> <p>KF-235, PG2 Wireless PowerG 2-Way Keyfob, KF-235 PG2 Wireless PowerG 2-Way Keyfob, PowerG 2-Way Keyfob</p>
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