

# Waterguard

## WATERGUARD HOME USER GUIDE

PART OF THE WATERGUARD  
RESIDENTIAL RANGE OF WATER LEAK  
DETECTION EQUIPMENT



# UK CA

### INFORMATION

To familiarise yourself with your installed Waterguard System please read this user guide in full. If you have any further questions, please contact the office on 01226 244200.

### SYSTEM PROFILE

This system protects properties by monitoring water usage from the incoming water mains using a flow sensor that allows continuous water flow for a limited time before the controller suspects a leak and automatically shuts off the water with a solenoid valve. Features include:

- Automatically shuts off the water supply when a predetermined maximum continuous flow time (guard level) has been exceeded
- Has two levels of guard, low guard (occupied) and high guard (unoccupied)
- Has an integrated back-up battery for continuous power



Dedicated technical helpline: 01226 397987

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## OPERATION

### UNDERSTANDING THE CONTROLS – HOME CONTROLLER



LED	BUZZER	MEANING
Illuminates white followed by single green flash	Single beep	Only on initial power up
Single green flash	Single beep	Confirms controls set to HI GUARD
Double green flash	Double beep	Confirms controls set to LOW GUARD
Triple green flash	Triple beep	Confirms controls set to WATER OFF
Off, then 5 brief green flashes	Silent	Indicates water is running
x 3 red flash, every 10 secs	x 3 beeps every 10 secs	Leak detected and the valve has closed

### UNDERSTANDING THE CONTROLS – HOME REMOTE DISPLAY



- OFF: Leak detected, and valve closed / the water has been set to 0.0 in high guard.
- 1-30: Low Guard settings, the last time value displayed is the active time.
- 0.0-2.0: High Guard settings, set to 0.0 to turn the water off in high guard.
- —: Searching for Home controller. If this persists the remote display is too far away from the Home controller or the Home controller have lost power.
- P: In pairing mode. The controllers communicate wirelessly via Bluetooth and will have been paired on initial installation.



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- **888:** Will appear after complete loss of power. Anything other than this, the remote display may be damaged or in an error state. Please call the dedicated technical helpline.

## OPERATING THE CONTROLS

The Home system is controlled via the Remote Display. From this you can change guard times, isolate and reinstate the water supply. The Home controller can be used to switch between guard levels when there is no power to the Remote Display.

## REMOTE DISPLAY OPERATION

COMMAND	DIAL/BUTTON	NOTES
Awaken the display	Single button press.	The value displayed confirms the current guard level.
Switch between guard levels	Single button press to wake the display. Press again to switch guard level, double press to confirm.	Do this each time you enter and exit the property. If the system is linked to an intruder alarm, it will automatically switch between guard levels.
Input guard levels	Wake the display, turn dial clockwise to turn up and anticlockwise to turn down, double click to confirm.	Low guard level is intended for when people are in the property and water is being used. In low guard the guard time can be set from 1 to 30 minutes. High guard is a higher protection level, used when the property is unoccupied. In high guard the guard time can be set from 0 to 2 minutes. The current level of guard is solid whereas the other is flashing, when in leak mode the remote displays OFF and both levels of guard flash until one is chosen. To close the valve using the remote display, whilst in high guard set the time to 0.0.
Reinstate the water supply	Wake the display. Another single press to move between guard levels. Double press to confirm new guard level and open valve.	Please ensure to check the property for leaks before reinstating the water supply.

## HOME CONTROLLER OPERATION

COMMAND	ACTION
Check and change guard level	Press button once to indicate current guard level, green flashes and beeps. 1 flash if in high guard, 2 flashes if in low and 3 if the water supply is off. A second short press within a few seconds will cycle to next mode; hi>lo>off>hi... and indicate new mode with flashes and beeps.
Reinstate the water after a leak	Press button once = 3 x green flashes and beeps valve closed controls set to OFF. Press button again once = 3 x green flashes and beeps valve still closed, press button immediately after x 1 green flash and beep controls set to High Guard and valve opens.



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## **WATERGUARD FOB**

The Fob is used to restart the water supply remotely from any room. When time limits have been exceeded and the water supply isolated, a simple short press will reopen the valve and set the Home to Low Guard. See pairing mode below to connect to your system. Replace battery when required with battery CR2032.

## **PAIRING MODE**

The Home Controller, Remote Display and Fob communicate wirelessly via Bluetooth. To enter pairing mode, hold the button on the Home Controller until it starts slowly beeping and flashing blue. Repeat this on the Remote Display until a P appears or on the Waterguard Fob. 3 rapid blue flashes and a beep from the Home controller will confirm pairing. The Fob and Remote Display will exit pairing mode automatically, a short press on the Home Controller will exit pairing mode confirmed by 2 BLUE FLASH and BEEP.

To delete paired devices, ensure to be in pairing mode on the Home Controller, perform 6 short presses confirmed by 6 RAPID BLUE FLASH and BEEP.

## **MAINTENANCE**

### **POWER LOSS**

The Home Controller contains a 3V rechargeable backup battery. Please allow 24 hours for this to charge on initial installation and will provide up to 12 hours backup supply in the event of power loss. If power loss is to exceed 12 hours the Home Controller will close the valve before complete power loss.

The Remote display is powered by 2 AAA batteries. These should last up to 5 years dependent on usage. Replacing these batteries can be done by simply removing the Remote Display face plate.

### **TESTING**

After complete power loss check the operation of the Home. Firstly, change the maximum continuous flow allowance to 0.1 on high guard using the setup instructions. Run the water in the property, if the water supply is cut off after 6 seconds the Home is operating correctly.

### **ROUTINE MAINTENANCE**

In hard water areas it is recommended that the valve assembly is dismantled and cleaned with limescale remover every 12 months as build up can cause the unit to fail.



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## FAQS

*The valve doesn't open or close.....*

If all controls are functioning as normal but the valve is failing to close, please see *Routine Maintenance* as the valve assembly may be blocked up.

*How to manually bypass the valve to allow water flow.....*

**WARNING** The manual bypass must only be used in an emergency to restore the water supply when the controller is damaged or there has been a long-term loss of mains power.

Rotate the whole coil head as shown.

**ATTENTION: THIS WILL DEACTIVATE WATER LEAK PREVENTION AND MAY INVALIDATE YOUR BUILDINGS INSURANCE.**



**VALVE NORMAL**



**VALVE ON BYPASS**

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**Any application, water leak detection and prevention.**

To find your solution visit **[www.waterguard.co.uk](http://www.waterguard.co.uk)**.

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