



# WaterSwitch3

User Guide

LeakSafe 

## 1. OPERATING INSTRUCTIONS

### 1.1: Turning water on/off from the Wireless On/Off Switch

#### Turning the water OFF

Press the OFF switch. The blue LED indicator on the switch will flash and beep, the Water Valve Control will beep twice to confirm a wireless signal has been received, and the wireless switch will flash red and beep twice to confirm that the command has been acknowledged. The valve will close.

#### To turn the water ON

Press the ON switch. The blue LED indicator on the switch will flash and beep, the Water Valve Control will beep once to confirm a wireless signal has been received, and the wireless switch will flash green and beep once to confirm that the command has been acknowledged. The valve will open.



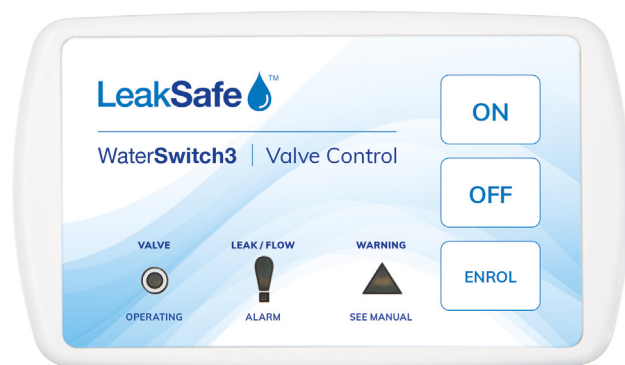
### 1.2: Turning the water off with a timed delay from the Wireless On/Off Switch

The Wireless Switch incorporates a 1, 2 or 3 hour valve shut off delay function for instances when appliances using water need to complete their program. Activate the delay timer by pressing either 1h, 2h or 3h. The blue LED indicator on the switch will flash and beep, the Water Valve Control will beep three times to confirm the wireless signal was received, and the blue LED on the wireless switch will flash & beep 3 times to indicate that the command has been acknowledged. The valve will close after the chosen delay. To override a programmed delay, press the Water On switch.

### 1.3: Turning water on/off from the Water Valve Control

Turn the water off by pressing the "WATER OFF" button on the Water Valve Control it will beep twice. The valve will close.

Turn the water on by pressing the "WATER ON" button on the Water Valve Control. You will hear 1 beep and the valve will open.



### 1.4: Operating Instructions Water Flow Meter (if installed) – Continuous Flow or No Flow





Once set, the Continuous Flow and No Flow program is automatic.

**Continuous Flow:** If water flows continuously for more than the programmed time, the system will assume there is a leak in the property, the valve will close and the Water Valve Control will alarm. See Section 3.2 for reset instructions.





**No Flow:** If no water is detected flowing through the Flow Meter for the duration of the programmed time, the system will assume the property is empty and close the valve. Switch the water on again by pressing Water ON on either the Water Valve Control or Wireless On/Off Switch.

## 2. INDICATORS AND ALARMS

### LEAK ALARM

	Rapid beeping for 15 seconds then 1 red flash & 1 beep every 60 seconds VALVE CLOSED DUE TO MAINS POWER FAIL (if this option was selected)
	Rapid beeping for 15 seconds then 2 red flashes & 2 beeps every 60 seconds VALVE CLOSED DUE TO A WATER LEAK BEING DETECTED
	Rapid beeping for 15 seconds then 3 red flashes & 3 beeps every 60 seconds VALVE CLOSED DUE TO WATER CONTINUOUS FLOW TIMER BEING EXCEEDED
	3 red flashes & no beeps every 15 seconds VALVE CLOSED DUE TO NO FLOW TIMER BEING EXCEEDED

### VALVE OPERATING

	Green flashing every second & 2 beeps VALVE CLOSING
	Fast green flashing every 0.5 second & 1 beep VALVE OPENING
	Solid green WATER VALVE CONTROL OPERATING ON MAINS POWER
	Green flash every 60 seconds WATER VALVE CONTROL OPERATING ON BATTERY POWER

### WARNING

	1 orange flash & beep every 60 seconds LOW BATTERIES, CHANGE BATTERIES ASAP
	4 orange flashes & 4 beeps every 60 seconds VALVE HAS BECOME DISCONNECTED FROM WATER VALVE CONTROL (if this option was selected)

#### PLEASE NOTE:

If you have a flow meter installed the WARNING light will flash (no beeps) when water is flowing through the meter.

## 3. RESETTING AND OPENING THE VALVE AFTER A LEAK ALARM

### 3.1: Resetting the system after a leak has been detected

The Water Valve Control will shut the valve on the incoming water main or pipe if a leak detection tape is in contact with water.

1. Press the "WATER OFF" button on the Water Valve Control it will beep once and mute the alarm – the valve remains closed. If the alarm continues, and you have a detection tape directly connected to the Water Valve Control, unplug the tape then press the "WATER OFF" button on the Water Valve Control to mute the alarm.
2. Identify where in the property the leak has occurred.
3. If you have wireless leak detector transmitters installed the one that has instigated the alarm will be beeping. If none of the Transmitters are beeping but you have a leak detection tape or tab directly connected to the Water Valve Control then this is where the leak is.
4. Repair the leak and dry the leak detection tape. Tapes should be unplugged and dried either naturally, or with a hairdryer on a medium setting held 1M away from the tape, or on a warm (not hot) radiator.
5. Reposition and reconnect the tape once dry.
6. Press "WATER ON" on the Water Valve Control to open the valve.

### 3.2: Resetting the system after the Continuous Flow limit is exceeded

1. Press the “WATER OFF” button on the Water Valve Control it will beep once and mute the alarm – the valve remains closed.
2. Press “WATER ON” on the Water Valve Control to open the valve.

### 3.3: Isolating a leak and turning the water on

LeakSAFE recommend you repair all leaks before the mains water is turned back on.

Where a detected leak is from an appliance e.g., a washing machine, and the leak can be contained by not using that appliance, it is possible to isolate that zone to allow the LeakSAFE system to be reset and the water turned back on.

IF LEAK DETECTION IS DISABLED IN ANY PART OF A PROPERTY THAT AREA IS UNPROTECTED AND THE SYSTEM WILL NOT ALARM OR SHUT THE WATER OFF IF ANOTHER LEAK OCCURS IN THAT AREA.

THE DECISION TO DISABLE ANY PART OF A LEAKSAFE SYSTEM LIES WITH THE OCCUPIER AND LEAKSAFE ACCEPTS NO LIABILITY WHATSOEVER FOR THE CONSEQUENCES OF THAT DECISION.

To isolate a zone:

1. Unplug the leak detection tape protecting that zone from the Wireless Transmitter or Water Valve Control.
2. Press “WATER OFF” on the Water Valve Control.
3. Press “WATER ON” on the Water Valve Control to open the valve and restore water to the property.

#### IMPORTANT:

When the leak is repaired, REMEMBER TO DRY AND RECONNECT THE LEAK DETECTION TABS OR TAPES IN THAT AREA.

### 3.4: Manual override on the Motorised Valve

To manually operate the valve, lift and turn the operating button. When the valve is open the red line in the valve status window is parallel to the water pipe and at right angles when closed. Push the operating button down again when you have finished turning the valve.



## 4. ESSENTIAL MAINTENANCE – PLEASE READ THIS SECTION

### 4.1: Test procedures:

LeakSAFE recommend that you test your system every 6 months and always before you leave a property for a period of time.

1. Turn the water off using the wireless on/off switch. Check the water is off by opening a tap. Turn the tap off, turn the water back on and check that the water is now running. If you do not have a wireless on/off switch installed, perform this test by pressing the “WATER OFF” and “WATER ON” buttons on the Water Valve Control.
2. If you have wireless leak detector transmitters and leak detection tape installed, unplug the tape from the transmitter and plug in the test cable supplied. Touch the metal pins together and check the valve closes and the system alarms. Reinstall the leak detection tape and reset the Water Valve Control (See Section 3). Repeat for each transmitter you have installed.



## 4.2: Replacing Batteries

Replace the batteries in your Water Valve Control and any Wireless Leak Detector Transmitters every 12 months to ensure continuous operation.

Replace the 2 x CR2032 lithium batteries in the Wireless Switch every 3 years.

### General

The batteries in the Water Valve Control and any wireless leak detector transmitter are checked once a day. If battery power is low an alarm will sound/flash for 3-4 weeks. If the batteries in the Water Valve Control are not changed, the valve will remain in the position it is in when the batteries are exhausted.

#### 4.2.1 Replacing the batteries in the Water Valve Control:

1. If the Water Valve Control is mains powered, turn off at the electric socket.
2. Unplug the valve and lift the Water Valve Control off its retaining screws.
3. Lift and remove the catch cover on the top of the case and press the catch underneath to release the front panel.
4. Remove the 3 x AA batteries and leave for at least 10 minutes to allow any residual power to drain.
5. Install 3 x new AA batteries, reassemble, reconnect the valve and test the Water On and Water Off function.

#### 4.2.2 Replacing the batteries in a Wireless Leak Detection Transmitter:

1. Remove the transmitter from the wall/surface.
2. Remove cover and replace 2 x AA batteries.
3. Reassemble, test (see 4.1.2 above) and rehang the transmitter.

#### 4.2.3 Replacing the batteries in the Wireless Switch

If the switch is fixed using self adhesive strips, carefully ease the switch off, or twist anticlockwise to release from the wall screws. Slide the backplate down to release the catches then ease the cover surround off by inserting a small flat bladed electrical screwdriver into the openings on the side of the switch and turn gently. The cover and switch assembly will come away from the backplate.

Install 2 new CR2032 lithium batteries into the battery compartments, reassemble and test.

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## 4.3: Decalcification routine

Once every 4 weeks the Leaksafe Motorised Valve performs a decalcification routine by automatically closing the valve by one quarter, and then immediately re-opening it. This routine only part closes the valve and will not interfere with any appliances that are using water at the time.

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Support, Installation & User Guides and FAQ's are available to view or download at [www.leaksafe.com/support](http://www.leaksafe.com/support)



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