



**WaterSwitch**  
**Extended Range**  
User Guide



## 1: OPERATING INSTRUCTIONS

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

#### Turning the water OFF

Press the switch marked "O" or "O/I". The LED indicator on the switch will flash once, the Water Valve Control will beep twice to confirm a wireless signal has been received, and the valve will close.



#### To turn the water ON

Press the switch marked "I" or "O/I". The LED indicator on the switch will flash once, the Water Valve Control will beep once to confirm a wireless signal has been received, and the valve will open.

### 1.2: Turning water on/off from the WaterSwitch Valve Control

#### Turning the water OFF

Press the button marked "WATER OFF". The green "VALVE OPERATING" LED will flash, and the valve will close.

#### To turn the water ON

Press the button marked "WATER ON". The green "VALVE OPERATING" LED will flash, and the valve will open.



#### **IMPORTANT:**

When you press either the "WATER ON" or "WATER OFF" buttons on the Water Valve Control the "Valve Operating" LED on the Water Valve Control flashes green for approximately 10 seconds, and the Motorised Valve will operate.

**PRESSING ANY OTHER BUTTON ON THE WATERSWITCH VALVE CONTROL OR THE WIRELESS ON/OFF SWITCH WHILST THE LED IS FLASHING WILL NOT ACTIVATE THE VALVE.**

### 1.3: Setting a delay timer from the wireless On/Off switch

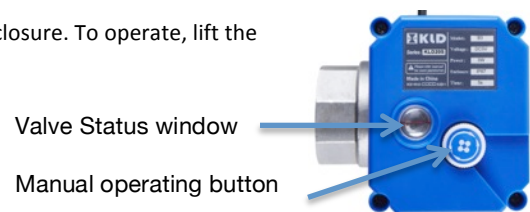
The Wireless Switch incorporates a 1, 2 or 3 hours valve shut off delay function for instances where appliances using water need to complete their program. Activate the delay timer by pressing one of the three switches \*(1 hour), \*\* (2 hours) or \*\*\* (3 hours). The LED indicator on the switch will flash, the Water Valve Control will beep three times to confirm the wireless signal was received, and the valve will close after the chosen delay. To override a programmed delay press either the "O", "I" or the "O/I" toggle switch.

### 1.4: Manual override on the Motorised Valve

The manual operating button is located on the top of the valve enclosure. To operate, lift the button and turn it to operate the valve.

As the valve moves the red line visible in the valve status window will also move. When the valve is open the red line is parallel to the water pipe and when closed is at right angles.

When you have finished moving the valve, push the operating button down into its original position.



## 2. Indicators & Alarms

Please refer to these tables to identify the type of alarm.

Please Note: If a LEAK ALARM has been active for 30 minutes the audible and visual indicators will slow, but the Red Leak/alarm indicator will continue to flash and the alarm beep 3 times per hour until the “WATER OFF” button on the Water Valve Control is pressed (see Section 2.1).

INDICATOR					
Audible Alarm	LED Indicator	Colour	Frequency	Reason	Resolution
None	Valve Operating	Green	Fast flashing	Valve Operating	N/A
None	Valve Operating	Green	On	Mains adaptor connected	N/A
None	Valve Operating	Green	1 Slow flashing	Water Valve Control operating on battery	N/A
ALARM					
Audible Alarm	LED Indicator	Colour	Frequency	Reason	Resolution
Fast beeping	Leak Alarm	Red	Fast flashing	Water leak detected	Resolve cause of leak & reset (Section 2.1)
Slow beeping	Leak Alarm & Warning	Red & yellow	Slow flashing	Motorised valve fault	Check cable connection to Water Valve Control
1 slow beeping	Warning	Yellow	Slow flashing	Low battery warning on Water Valve Control	Change batteries in Water Valve Control (Section 3.2.1)
2 slow beeping	Valve Operating & Warning	Green & yellow	Slow flashing	Low battery warning in Leak Detector Wireless transmitter	Change batteries in Leak Detector wireless Transmitter. (Section 3.2.2) and test (Section 3.1)
3 slow beeping	Leak Alarm	Red	Slow flashing	Alarm active for more than 30 minutes	Repair leak & reset (Section 2.1)
4 slow beeping	Warning	Yellow	Fast flashing	Mains failure, valve closed	Only applicable if mains adaptor connected.

### Alarm Description

Audible/Visual Alarm	Frequency
Fast beeping or flashing	1 beep / flash per 5 seconds
Slow beeping or flashing	1 beep / flash per 15 seconds
1 slow beeping or flashing	Once per minute
2 slow beeping or flashing	Twice per minute
3 slow beeping or flashing	Three times per minute
4 slow beeping or flashing	Once per 30 seconds

## 2.1: RESETTING AND OPENING THE VALVE AFTER A LEAK ALARM

### 2.1.1: Resetting the system after a leak has been repaired

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 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.
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.

### 2.1.2: 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.**

**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.
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 TAPS OR TAPES IN THAT AREA.

## 3: ESSENTIAL MAINTENANCE – PLEASE READ THIS SECTION

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

### 3.1: Test procedures:

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 detector tape installed, check each transmitter by wetting the test pins at the end of the tape. Check the transmitter emits an alarm beep, and that the valve has closed and an alarm is sounding on the Water Valve Control. Dry the test pins on the tape, reset the Water Valve Control (See section 5.1) and turn the water back on. Repeat this for each Leak Detector transmitter you have installed.

### 3.2: Replacing Batteries

Replace the batteries in your Water Valve Control, your Valve Receiver(s) and any Wireless Leak Detector Transmitters every 9 months to ensure continuous operation.

Replace the CR2032 lithium battery in the Wireless Switch every 2 years.

#### General

The batteries in the Water Valve Control, Valve Receiver(s) and Leak Detector Transmitters are checked once a day. If battery power is low an alarm will sound/flash on the Water Valve Control Unit for up to 3-4 weeks. If the batteries in the components are not changed, the valve will remain in the position it is in when the batteries are exhausted.

#### 3.2.1: Replacing the batteries in the Water Valve Control and Valve Receiver: NB. Replace the batteries in both components at the same time.

##### Water Valve Control

1. Lift the Water Valve Control off its retaining screws.
2. Remove the catch cover on the top of the unit and press down on the catch underneath to release the two parts of the Water Valve Control.
3. Replace batteries (4 x AA batteries)
4. Reassemble,

##### Valve Receiver

1. Unscrew the cover of the Valve Receiver.
2. Disconnect the battery pack (popper connection) and replace batteries (4 x AA batteries)
3. Reassemble.
4. Repeat if you have more than one Valve Receiver in the property.
5. When the batteries are replaced in the Water Valve Control and all Receivers, initialise the system by pressing WATER ON, on the Water Valve Control, then WATER OFF – the valve will close. When the VALVE OPERATING LED stops flashing, press WATER ON to open the valve.



#### 3.2.2. Replacing batteries in the Wireless Leak Detector Transmitter

1. Remove the Transmitter from the wall/surface.
2. Snap cover off and replace batteries (3 x AAA batteries)
3. Reassemble, test (Section 3.1 above) and rehang the Transmitter.

#### 3.2.3. Replacing the battery in the Wireless Switch

If the switch is fixed using self adhesive strips, carefully ease the switch off, and install a new CR2032 lithium battery in to the battery compartment on the back of the switch. Reposition using new adhesive strips.

If the switch is screwed to a back box or directly on to a surface, ease the cover surround off the fixing plate by inserting a small flat bladed electrical screwdriver into the opening at the bottom of the switch and turning gently. The cover surround and switch assembly will come away from the fixing plate.

To separate the cover surround and the switch assembly, insert the screwdriver between the bottom of the switch assembly and the cover surround and turn gently. The switch assembly will “pop” clear of the cover surround.

Install a new CR2032 lithium battery in to the battery compartment on the back of the switch assembly, reassemble and test (Section 3.1 above).

### 3.3: Decalcification routine

Once a week 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.