



www.cmrelectrical.com

SLD-1 Smart Water Leak Detection Installation and Operation Manual



Contents

- 1) Installing the Battery Backup
- 2) Installing the Main Alarm Unit
- 3) Setting the time
- 4) Setting the volume
- 5) Setting the water time
- 6) Setting the leakage time
- 7) Setting the maximum flow
- 8) Setting the auto restore
- 9) Setting the holiday feature
- 10) Setting the valve test feature
- 11) Pair the remote sensors
- 12) Pair the remote key fob
- 13) Wireless E-water APP
- 14) Low Battery Indicator

1) Installing the Battery backup

Connect the battery before you attach the main alarm unit to the water supply!

On the bottom of the main unit, remove the battery cover. Extract the battery connection cables. Connect the battery to the connection cable and insert it back into the main unit. Replace the cover.

2) Installing the Main Alarm Unit

Before installing the main alarm unit, check that you have connected the battery. See point 1.

The Alarm unit comes in two sizes: ¾” or 1” males BSP brass unions. Connect the main alarm panel onto the mains cold water feed into your property.

Make sure that you place the alarm panel near a socket. You need to power the main alarm unit with the supplied 3 pin plug adapter. Take care as it only has 1.5m cable.

Position the Main Alarm Unit so that the front screen is accessible. You will need to be able to touch the screen to change settings.

3) Setting the time:



- 1) Press and hold the MENU button for 5 seconds.
- 2) Now press the MENU button again to enter time setting. The minute digits will start to flash.
- 3) Touch the CLOSE button on the right, to change the numbers to the correct time.
- 4) Press the OPEN button in the middle to toggle to the hour setting. This will start to flash.
- 5) Use the CLOSE button to change the numbers to the correct time.
- 6) Press and hold the MENU button for 3 seconds to store the time settings.

[NOTE: setting the value to zero will switch off this feature]

4) Setting the volume:

This sets the amount of water in litres that will continuously flow before the unit goes into alarm and shuts the valve. (Example: running a bath will take approximately 100L)

- 1) Press and hold the MENU button for 5 seconds.
- 2) Press the MENU button **two times**. The L on the right will illuminate. The number digits will flash.
- 3) Touch the CLOSE button on the right, to increase the values.
- 4) Press the OPEN button to toggle to the 10s of litres setting. This will start to flash.
- 5) Use the CLOSE button to increase the numbers to the correct amount.
- 6) Press the OPEN button again to toggle to the 100s of litres setting. This will start to flash.
- 7) Use the CLOSE button to increment the numbers to the correct value.
- 8) Press and hold the MENU button for 3 seconds to store the settings.

[NOTE: setting the value to zero will switch off this feature]

5) Setting the time:

This sets the time allowed for continuous water flow before the unit goes into alarm and shuts the valve. (Example: it takes approximately 15 minutes to fill a bath)

- 1) Press and hold the MENU button for 5 seconds.
- 2) Press the MENU button **three times**. The 'min' on the right will illuminate. The number digits will flash.
- 3) Touch the CLOSE button on the right, to increase the values.
- 4) Press the OPEN button to toggle to the 10s of minutes setting. This will start to flash.
- 5) Use the CLOSE button to increase the numbers to the desired threshold time.
- 6) Press the OPEN button again to toggle to the 100s of minutes setting. This will start to flash.
- 7) Use the CLOSE button to increment the numbers to the correct value.
- 8) Press and hold the MENU button for 3 seconds to store the settings.

[NOTE: setting the value to zero will switch off this feature]

6) Setting the leakage time:

This allows you to detect small leaks. This uses the second flow meter in the main alarm panel. This is more precise.

- 1) Press and hold the MENU button for 5 seconds.
- 2) Press the MENU button **four times**. The 'min' on the right and the Leak Time on the left will illuminate. The number digits will flash.
- 3) Touch the CLOSE button on the right, to increase the values.
- 4) Press the OPEN button to toggle to the 10s of minutes setting. This will start to flash.
- 5) Use the CLOSE button to increase the numbers to the desired time.
- 6) Press the OPEN button again to toggle to the hours setting. This will start to flash.
- 7) Use the CLOSE button to increment the numbers to the correct value.
- 8) Press and hold the MENU button for 3 seconds to store the settings.

[NOTE: setting the value to zero will switch off this feature]

7) Setting the Maximum Flow:

This setting enables you to detect large leaks, such as burst pipes. This setting is in litres per minute.

- 1) Press and hold the MENU button for 5 seconds.
- 2) Press the MENU button **five times**. The 'L/min' on the right will illuminate. The number digits will flash.
- 3) Touch the CLOSE button on the right, to increase the values.
- 4) Press the OPEN button to toggle to the 10s of litres setting. This will start to flash.
- 5) Use the CLOSE button to increase the numbers to the desired threshold level.
- 6) Press the OPEN button again to toggle to the 100s of litres setting. This will start to flash.
- 7) Use the CLOSE button to increment the numbers to the correct value.
- 8) Press and hold the MENU button for 3 seconds to store the settings.

[NOTE: setting the value to zero will switch off this feature]

8) Setting the Auto restore:

If you are running a bath and exceed the threshold, an alarm will be triggered. This feature gives you a certain time to turn off the water supply manually (e.g. taps), enabling the unit to automatically re-open the valve.

Do note that if there is a leak, the SLD-1 alarm will keep the valve shut and sound an alarm.

- 1) Press and hold the MENU button for 5 seconds.
- 2) Press the MENU button **six times**.
- 3) Touch the CLOSE button on the right, to increase the values.
- 4) Press the OPEN button to toggle to the 10s of setting. This will start to flash.
- 5) Use the CLOSE button to increase the numbers to the desired threshold level.
- 6) Press and hold the MENU button for 3 seconds to store the settings.

[NOTE: setting the value to zero will switch off this feature]

9) Setting the Holiday Feature:

This setting is used to close the valve when there is no flow of water through the main SLD-1 alarm. This is set in number of days.

- 1) Press and hold the MENU button for 5 seconds.
- 2) Press the MENU button **seven times**. An 'H' will appear on the left.
- 3) Touch the CLOSE button on the right, to increase the values.
- 4) Press the OPEN button to toggle to the 10s of days setting. This will start to flash.
- 5) Use the CLOSE button to increase the numbers to the desired days.
- 6) Press and hold the MENU button for 3 seconds to store the settings.

[NOTE: setting the value to zero will switch off this feature]

10) Setting the Valve Test Feature:

This setting is used to check that the valve is working correctly. Choose a set time interval in days for the SLD-1 alarm to close the valve.

- 1) Press and hold the MENU button for 5 seconds.
- 2) Press the MENU button **eight times**. A 'P' will appear on the left.
- 3) Touch the CLOSE button on the right, to increase the values.
- 4) Press the OPEN button to toggle to the 10s of days setting. This will start to flash.
- 5) Use the CLOSE button to increase the numbers to the desired days.
- 6) Press and hold the MENU button for 3 seconds to store the settings.

[NOTE: setting the value to zero will switch off this feature]

11) Pair the remote sensors:

Make sure the SLD-1 Main Alarm panel is connected to the mains power. It will not pair if running on battery backup.



- 1) Press the MENU button briefly for 5 times. The menu button will flash.
- 2) Place the sensor in a small amount of water.
- 3) The sensor will beep twice and the red light on the sensor will start to flash.
- 4) If the valve is open, it will close.
- 5) Wait 1 minute, then remove the probe from the water.
- 6) Dry the sensor.
- 7) Press the valve open button. The valve will re-open.

12) Pair the remote key fob

Make sure the SLD-1 Main Alarm panel is connected to the mains power. It will not pair if running on battery backup.

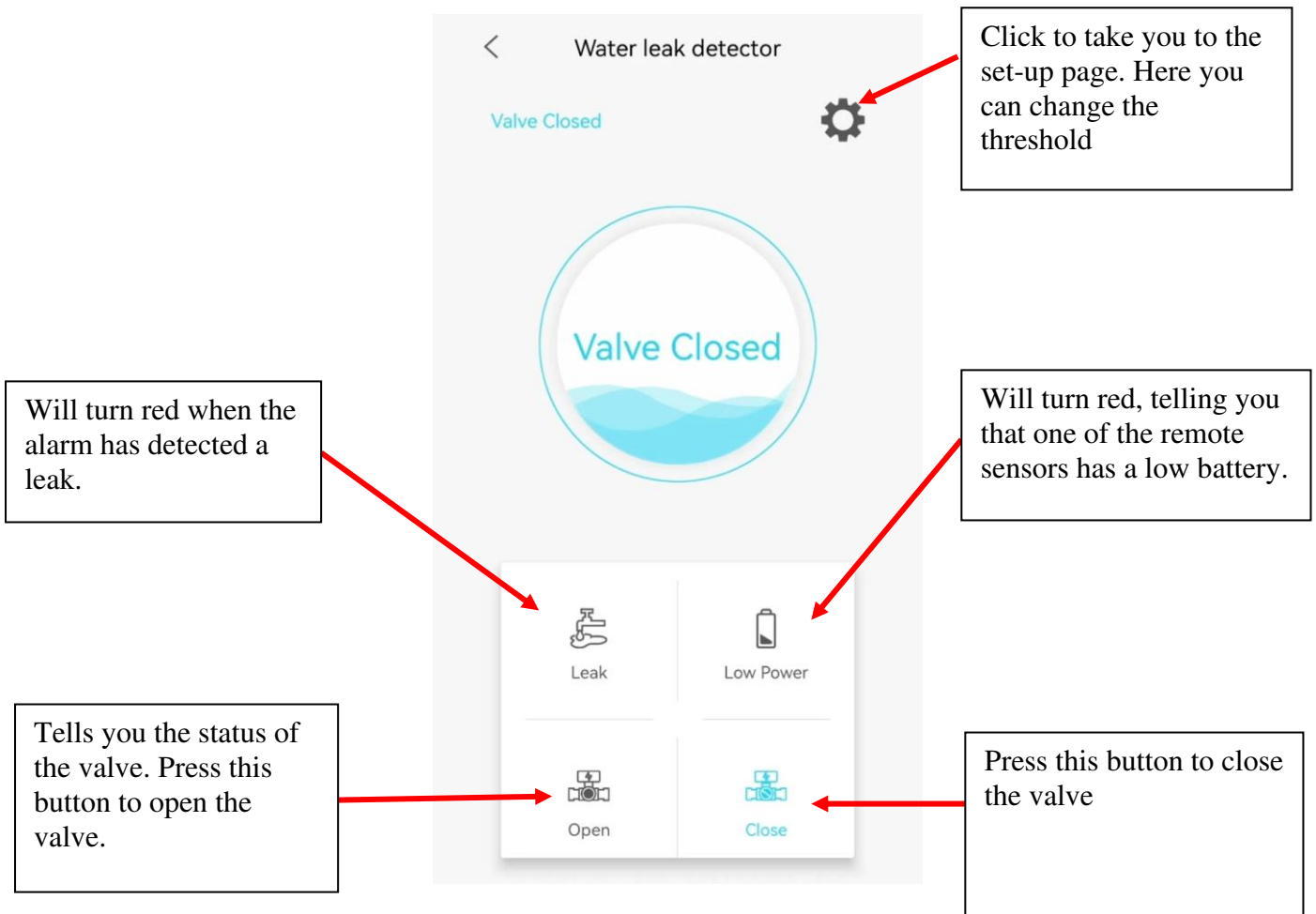
- 1) Press the MENU button briefly for 5 times. The menu button will flash.
- 2) Place the sensor in a small amount of water.
- 3) Press any button on the remote key fob.
- 4) You will hear a double beep to indicate that pairing has been successful.

13) Wireless E-water APP

How to install the App:

- 1) Download the E-water app from your mobile app store (Android or Apple)
- 2) Click on sign-up and fill in the required information.
- 3) A verification code will be sent to your email. Check your junk mail folder if you don't receive this.
- 4) Press both the 'MENU' and 'CLOSE' buttons on the SLD-1. The Wi-Fi symbol will illuminate.
- 5) Enter the name of your router and the password. Click on NEXT.
- 6) Click on Add Device.
- 7) Your Alarm device will appear on your app showing that it's online. Click on the device to enter.

How to use the App:



TO RECEIVE AN ALERT ON YOUR PHONE, THE APP MUST ALWAYS BE OPEN ON YOUR PHONE

14) Lower Batter Indicator

When the voltage is below 3.3V in the remote sensor, it will enter low power mode. The battery symbol on the main SLD-1 will flash. The panel will bleep 10 times. This will repeat every hour.

Below 3.0V there will be no battery indicator and the LED screen will be blank.

Replace the battery in the remote sensor. Unscrew the two screws on the bottom and carefully separate. Compatible batteries include: 23A, 23GA, E23A, GP-23A, GP23A, K23A, L1028; LR23A, LRV08, MS21, V23, V23A and Vr22.