

# Scenarios with Pairing and Range Testing Procedures

This guide covers different pairing configurations. **Install lithium batteries and set the battery tracker in all applicable components.** See pages 17–21 of the User Guide for more information.

**WARNING:** The system components require the use of 9V and 1.5V AA non-rechargeable lithium batteries.

UL 2017 standard requires that lithium batteries used in this system shall be certified to UL 1642. Use of batteries other than non-rechargeable lithium batteries are prohibited and will void the system's warranty.

## 1. Basic System

Temperature reporting is not available in this configuration.

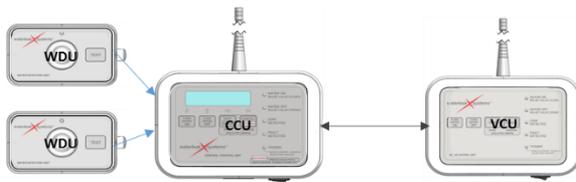
### Pair the CCU and the VCU

- On the CCU, press and hold the PAIR button until you hear 3 beeps, and release it. The LED lights will blink in scanning pattern. *If you accidentally press too long and the SETUP menu comes up, press CANCEL. Try again to enter pairing mode.*
- On the VCU, press and release the PAIR button. Both units should emit 5 beeps and the CCU's LED lights will stop blinking. Pairing is complete.

### Placement and Testing

- Install the VCU in the utility area of the home or facility. *See page 18 of the User Guide.*
- To test the signal range of the VCU, press and hold its TEST button until you hear 4 beeps. The VCU will send a test signal every 2 seconds to the CCU.
- On the CCU, press and hold the TEST button until you hear 7 beeps, and release it. This puts the CCU into range test mode. The LED light LEAK DETECTED will flash once for every valid transmission received from the VCU.
- Carry the CCU to the location in the home or facility where it would be connected to an internet router to ensure that the VCU signal can reliably reach the CCU. If the CCU's LEAK DETECTED light stops blinking, this would indicate that the VCU is out of range and a repeater (SRTS) will be needed to extend its signal to the CCU. This procedure is described in scenario #3.
- To end the test, press and release the TEST button on both the CCU and the VCU.

*Pair and install WDUs one at a time to the CCU as described on pages 23-25 of the User Guide.*



## Scenarios with Pairing and Range Testing Procedures

### 2. Basic System with Signal Repeater/Temperature Sensor (SRTS, or repeater) for temperature reporting only

Only the first (primary) SRTS unit set up in the system will be used for temperature monitoring. The primary SRTS must be paired with the CCU in both sending and receiving directions. This will allow the repeater to send temperature information to the CCU and have its radio signal recognized.

Follow the pairing, placement, and testing procedure in scenario #1, and then do the following:

#### Pair the SRTS with the CCU

- On the CCU, press and hold the PAIR button until it beeps three times, then release it. The LED lights will blink in scanning pattern.
- On the SRTS, press and release the PAIR button. The CCU will beep 5 times and the LEDs will stop blinking. The CCU has now stored the serial number of the primary SRTS and will recognize any signal coming from it.

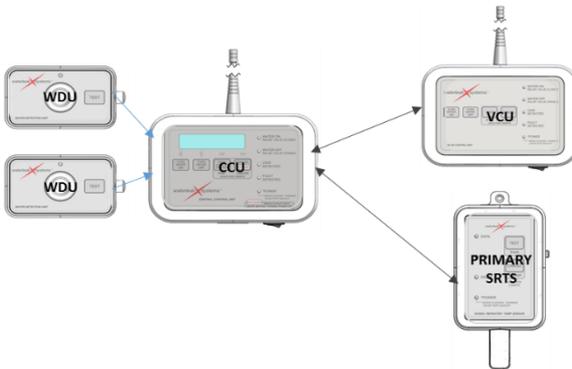
#### Pair the CCU with the SRTS

- On the primary repeater, press and hold the PAIR button until it beeps three times, then release it. The LED lights will blink in scanning pattern.
- On the CCU, press and release the PAIR button. The SRTS will beep 5 times and the LEDs will stop blinking.

#### Placement and Testing

- Install the primary SRTS where you want the temperature to be monitored.
- To test the SRTS temperature monitoring, press and hold the TEST button on the primary SRTS until it beeps two times. After a few seconds, observe the CCU display for the current room temperature. Set up temperature monitoring on the CCU. *See pages 22-23.*
- To test the signal range of the SRTS, press and hold its TEST button until you hear 4 beeps. The SRTS will send a test signal every 2 seconds to the CCU.
- On the CCU, press and hold the TEST button until you hear 7 beeps, and release it. This puts the CCU into range test mode. The LED light LEAK DETECTED will flash once for every valid transmission received from the SRTS.
- To end the test, press and release the TEST button on both the CCU and the SRTS.

*Pair and install WDU's one at a time to the CCU as described on pages 23-25 of the User Guide.*



## Scenarios with Pairing and Range Testing Procedures

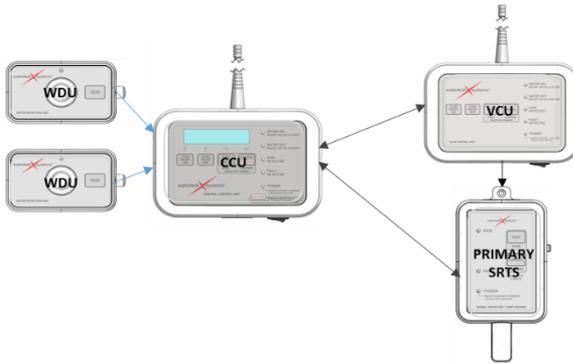
### 3. Basic System with Signal Repeater/Temperature Sensor (SRTS) for extending the VCU signal to the CCU

Follow the pairing, placement, and testing procedure in scenarios #1 and #2 and then do the following:

#### Pair the VCU with the SRTS

- On the primary SRTS, press and hold the PAIR button until it beeps three times, then release it. The LED lights will blink in scanning pattern.
- On the VCU, press and release the PAIR button. The primary SRTS will beep 5 times and the LEDs will stop blinking. The primary SRTS will now recognize and repeat any radio packets received from the VCU.

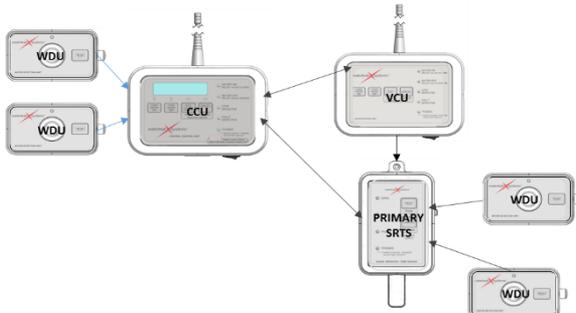
*Pair and install WDUs one at a time to the CCU as described on pages 23-25 of the User Guide.*



### 4. Basic System with SRTS for adding WDUs to extend leak detection coverage

Follow the pairing and installation procedure in scenarios #2 and #3 and then do the following:

- Pair WDUs to the primary SRTS after pairing the WDUs to the CCU. Pair each WDU one at a time as described on pages 23-25 of the User Guide.
- Install each WDU where you want leaks to be detected.
- To test the signal range of each WDU, press and hold its TEST button until you hear 4 beeps. Test each WDU one at a time. To end the WDU signal test, press and release its TEST button.



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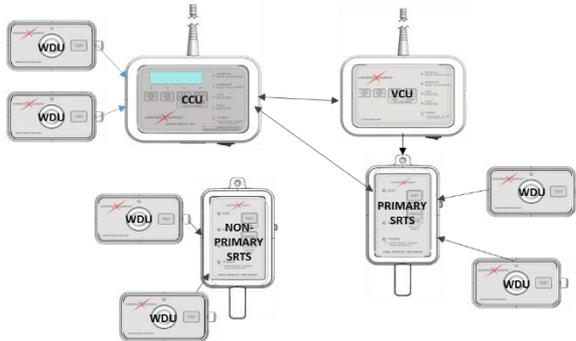
### 5. Basic System with non-primary SRTSs for extending WDU signal

Follow the pairing and installation procedure in scenario #4 and then do the following:

#### Pair WDU with a non-primary SRTS

Before pairing any WDU to a non-primary SRTS, ensure that the WDU have already been paired to the CCU one at a time as described on pages 23-25 of the User Guide. A *non-primary repeater (SRTS)* should only have WDU paired with it, and it should not be paired with the CCU or VCU. A WDU should only be paired with one SRTS. Plug the SRTS into an outlet that allows the antenna to be oriented downward as shown in the illustrations.

- On the non-primary SRTS, press and hold the PAIR button until it beeps three times, then release it. The LED lights will blink in scanning pattern.
- On the WDU, press and release the TEST button. The SRTS will beep 5 times and the LEDs will stop blinking. The SRTS will now recognize and repeat any radio packets received from the WDU. Pair each WDU one at a time.
- On each WDU, press and hold the TEST button until you hear 4 beeps. This puts the WDU into range test mode, which sends a signal every 5 seconds. Test each WDU one at a time. To end the WDU signal test, press and release its TEST button.



**We recommend reading the entire *Installation and Setup* section of the User Guide.**