

CH-WWA-02-W Wireless Water & Freeze Alarm

Installation Instructions



Initial Installation:

CH-WWA-02-W Wireless Water & Freeze Alarm Sensor includes 2 x AA batteries. Remove isolator from battery terminal. You will see the LED turning "ON" on the **front** side of the sensor. Note: If you do not see the LED turning ON please consult your user manual for trouble shooting your sensor. Use the provided hardware (4 screws) to screw the cover on. After screwing the parts together, the use of some sealant, such as silicone caulk, around the screws is recommended.



Choosing a mounting location

The CH-WWA-02-W is suitable for use in dry, interior locations only. Common applications include: Jacuzzi tub, under sinks, sump pump, refrigerator, water heater, toilets, and washing machines. Avoid placing the unit close to a metal frame, or other metal enclosures that may affect RF range. Do not place your sensor in an overly humid space. This may trip false alarms. **Place the unit so that any leaks that may occur will not drip directly on the unit, but puddle into the water sensor pads.**

Testing the CH-WWA-02-W

Moisten a paper towel and place over both of the sensor metal pads on the water sensor until you observe two quick LED blinks. If you do see the LED blink, remove the moistened paper towel and clean the small metal pads of any water residue. Reset alarm by holding the program switch for a minimum of 2 seconds.

Battery / Low Battery

The CH-WWA-02-W will send an alert on the Z-Wave™ network at regular intervals when it detects a low battery condition. In addition, it will periodically blink the LED. After a water leak, please ensure that there is no moisture in the unit and around the battery. Batteries are NOT covered under manufacturer warranty. **Please follow the guidelines to maximize your unit's battery life:** Program the unit into your home automation network according to instructions provided by your specific controller/gateway. Note: Every z-wave controller has its own default "wake-up" cycle that it will automatically apply to the CH-WWA-02-W once installed into your network, typically 4 hours. FortrezZ recommends "wake-up" cycle time to be increased to no less than 12 hours. Remember, that this "wake-up" notification cycle time does not affect the unit's measurement settings for water leak detection. If a water leak is detected by the WWA-01, it will send an alarm notification within seconds to the controller/gateway. In your controller interface, manually set the "wake up" interval in your device's settings to 12 hours or more according to your preference. You may need to consult your controller/gateway manufacturer with questions you may have. PLEASE DO NOT continually test the CH-WWA-02-W. In alarm mode, the CH-WWA-02-W turns ON the LED and communicates with the Z-wave network, using up a large amount of battery life. A new battery is recommended to be installed after any actual alarm situation to ensure the unit has adequate power to continue to communicate in the z-wave network.

Using the CH-WWA-02-W in a Z-Wave™ Network: Program Switch for Inclusion or Exclusion

The switch is used for including or excluding the WWA-01AA in a Z-Wave™ network.



Refer to your controller's User Manual for specific details on network inclusion, exclusion, and association.

Inclusion in (adding to) a network: 1) Set the controller to Inclusion mode; 2) Briefly press the program button once and the controller will indicate the unit has been included in the network. The LED will blink when the inclusion completes.

Configuring the CH-WWA-02-W

The high and low temperature set points in the CH-WWA-02-W can be configured. The temperature set points can be configured via a 'smart' controller after inclusion; details are provided in the technical appendix. Refer to your controller/gateway's instruction manual.

Exclusion from (removing from) a network: 1) Set up the exclusion mode at the controller; 2) Press and hold the button for approx. 2 seconds until the controller indicates the unit has been removed from the network. The LED will blink when the exclusion completes.

Associations: Once in a network, a controller can be used to associate the CH-WWA-02-W with other devices in the Z-Wave™ network, such as a light or another remote audible alarm.

Wakeup Notification: The CH-WWA-02-W will wakeup and send a notification every 4 hours (default) to a controller to query and update the status of the unit. A controller can change this wakeup interval. Battery life is decreased when the wakeup interval time is shorter.

Status LED Indications*

Number of Blinks	Meaning
Fast Blinks, Normal Operation	
1	Wakeup Notification Sent (after quick button press while in Network)
2	Water Alarm
3	Temperature Alarm (either high or low setpoint triggered)
4	An active alarm has been cleared (when a water alarm or a temperature alarm is no longer active)
5	Low Battery (repeated every approx. 40 seconds)
Slow Blinks, After Battery Replacement or Inclusion / Exclusion	
1	In-Network (also, after button held while in-Network)
3	Out of Network (also given if inclusion was not completed)

WAKEUPS

- Wakeup1: Power saving design wakes up every 4 seconds to test water and freeze sensor
- Wakeup2: Once every 4 approx. hours (default) unit wakes up to send a notification either to a wakeup node or broadcast.



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