EVC200 Quick Start Guide

Specifications

- The EVC200 Z-Wave Valve Controller requires 12V DC input at 1Amp (AC to DC Adapter included). The EVC200 can be included with, and controlled using any Z-Wave compatible controller. The EVC200 also acts as signal repeater for the Z-Wave network, extending the Z-Wave transmission as part of the "mesh network". The EVC200 is designed to work with a pre-installed standard levered ball type water shut off valve. If your water shut off valve is not a levered type, consult a plumber to have your shut off valve changed to a levered type.

- The EVC200 is designed to be installed onto an existing levered type ball valve as detailed below. **Caution:** If you do not have experience installing and configuring EVC200 type of devices, please consult a professional installer.

  - Model: EVC200 (U.S.)
  - Rated Voltage: 12V DC/1A
  - Z-Wave Plus ,908.4MHz,908.42MHz,916MHz
  - Wireless Range: 30M (line of sight)
  - Valve Pressure:1.6Mpa
  - Valve Size: ½" , ¾", 1" (optional 1.25")
  - Close Time: 5 ~ 10 seconds
  - Open Time: 5 ~ 10 seconds
  - Torque: 30~60 kg.cm
  - Accessories: 12V/1A power adaptor

Including the EVC200 Z-Wave Automatic Valve with a Z-Wave Controller

Including or Adding the EVC200 to a Z-Wave Controller: Place the Z-Wave controller in includeing (learning) mode. Press the Power button 3 or more times rapidly (within 0.5 seconds). Once the controller has acknowledged the inclusion, the EVC200 has been included in the Z-Wave network with the controller. Exit the including mode and you should see the EVC200 Automatic Valve under your list of devices. Some devices (like the Vera controller) require that you reload or refresh the controller so it polls, identifies, and configures the new device. Once the configuration is complete, you can control the powered valve through your Z-Wave controller's user interface. The valve supports Open or On command and Closed or Off command through a standard Z-Wave controller. The valve can also be open or closed with a single push of the power button on the unit, toggling from open to closed or closed to open. The valve can also be open/closed manually by hand by pulling the clutch pin.

Excluding or Removing the EVC200 from a Z-Wave Controller: Place your Z-Wave controller in exclusion (un-learning) mode. Once the controller is in exclusion mode, bring the EVC200 close to the Z-Wave controller (several feet) and press the Power button 3 or more times rapidly (within 0.5 seconds). Once the controller has acknowledged the exclusion, the EVC200 has been cleared of any previous inclusions. (It is recommended to keep the EVC200 within 1M/3ft of the controller when including or removing)

There can be a number of reasons that the EVC200 does not work with your controller. If the inclusion process does not work the first time, repeat the process but try "excluding" first and then complete the "inclusion" process.

Mechanical Installation: Consult a plumber or professional installer for assistance with the mechanical installation.

EVC200 Z-Wave Plus Commands:			
Z-Wave Network inclusion	Putting your controller into inclusion mode (adding new devices). Press the Power button 3 or more times rapidly (within 1.5 seconds). It is recommended to keep the EVC200 within 1M/3ft of the controller. (Set controller to inclusion mode first) While waiting for inclusion/adding commands from controller, LED blinks 1 time per second. If after 30 seconds device is still not included (timeout), LED will blink rapidly for 1 seconds signaling an including/adding error.		
Z-Wave Network exclusion	Power the button 3 or more times rapidly (within 1.5 seconds). It is recommended to keep the EVC200 within 1M/3ft of the controller. (Set controller to inclusion mode first) While waiting for inclusion/adding commands from controller, LED blinks 1 time per second. If after 30 seconds device is still not included (timeout), LED will blink rapidly for 1 seconds signaling the including/adding error.		
Device Reset	Press and hold the Power button for 10 seconds. The device will send the reset notification to the list node in the group-1 and erases the device memory. The led light flashes acknowledging successful reset. **Note:** This should only be used in the event your networks primary controller is missing or otherwise inoperable		
Association capabilities	This device supports only the Lifeline Association Group which holds a maximum of 1 node ID. The only command sent to this group is the Device Reset Locally message. This device cannot be used to control other devices by association. The pushbutton only opens and closes the water valve connected to it.		
Z-Wave Command Class	COMMAND_CLASS_ZWAVEPLUS_INFO, COMMAND_CLASS_SWITCH_BINARY, COMMAND_CLASS_ASSOCIATION, COMMAND_CLASS_ASSOCIATION_GRP_INFO, COMMAND_CLASS_VERSION, COMMAND_CLASS_MANUFACTURER_SPECIFIC, COMMAND_CLASS_DEVICE_RESET_LOCALLY, COMMAND_CLASS_POWERLEVEL		

FCC STATEMENT :

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.
Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.