

### OPERATION

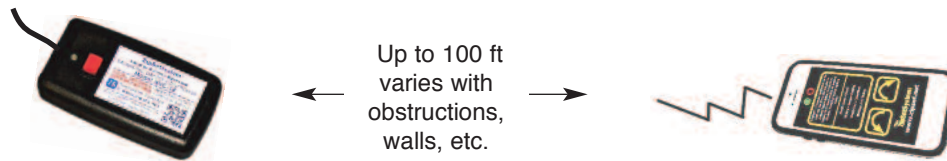
#### THE HHC SERIES HAND HELD CONTROLLERS

- Provides battery power (bldg power is never needed) to operate the damper.
- Press the red rocker switch for precise CW and CCW positioning of the damper for exact air flow.
- If the battery power checks OK, the green LED wil blink to indicate that the damper is moving.
- If the red LED lights while pressing the rocker switch, it indicates an open or short in the cable to the damper actuator and must be investigated and repaired to ensure proper operation.

**Model HHC-1-- local control only, via its 4 FT power cord.**

**Model HHC-1R -- same local control, PLUS wireless remote operation via 'smart devices' \*\***

\*\*iPhone (4S or newer), iPod Touch (5G or newer), or iPad (3G or newer),



#### Wireless Remote Control - Simple Set-Up . . .

1. From the iTunes app store, download and open the free Zipset app on your device.

<https://itunes.apple.com/us/app/the-zipset-system/id778851902?mt=8>



2. Momentarily press the HHC-1R's red rocker switch to create the 'pairing' of the HHC-1R and remote device. In 1-5 seconds, the green 'Ready' circle at the top of smart device screen will glow. Touch either arrow on the panel to control the CW & CCW movement of the damper. While either arrow is touched, the green circle will blink to indicate the damper is moving. The red circle will glow after a few seconds, if the damper does not move, indicating: (A) open or short in the actuator cable; (B) The HHC and remote device are not communicating, usually an out-of-range issue.

### MAINTENANCE

#### ZSA-1 ACTUATORS AND ZD SERIES DAMPERS

- These components are generally inaccessible, and are designed to require no field maintenance.
- Recommended operating range is +30° > +125° F.



#### HHC-1 & HHC-1R Hand Held Controllers

- Store the controller in its protective pouch when not in use. Avoid storing in high humidity spaces or continuous temps above 110° F
- There are no field repairs or adjustments for the HHC-1 Controllers.
- Warranty or other repair issues must be sent to the ZS representative for processing.
- To check battery condition, press the red rocker switch. If the green LED does not light, verify that the battery is installed properly or replace the battery with standard 9 volt alkaline or lithium battery carried by most retail stores.

