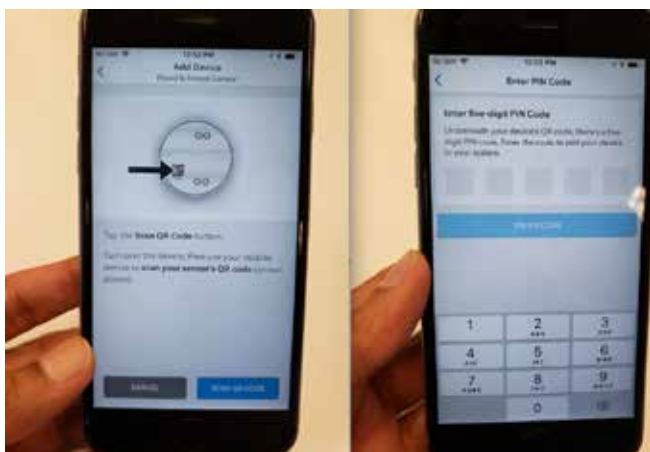# ring

Flood & Freeze Senso Z-Wave Technical Manual

Ring Flood & Freeze Sensor

Instructions to locate Z-Wave DSK/QR code

Follow Device inclusion instructions provided in Ring Alarm mobile applications to locate QR code and enter PIN Code

Factory Reset Instructions

Press and hold the Setup button for 10 seconds. When the LED ring stops blinking, Listener will reset.

This process disconnects the Listener from Ring Alarm. To begin using the Listener again, repeat the setup process in the Ring app.

"Use this procedure only in the event that the network primary controller is missing or otherwise inoperable."

Association CC:

This sensor has one Association groups of 1 node. Group 1 is the lifeline group who will receive unsolicited messages relating to Smoke/CO Siren detected/not detected notifications, case tampering notifications, and low-battery notifications.

Parameter No.	Description	Number of Bytes	Default	Minimum	Maximum
1	Heartbeats: This parameter is the number seconds between heartbeats. Heartbeats are automatic battery reports on a timer after the last event.	2	4200 (0x1068)	255 (0xFF)	4200 (0x1068)
2	One shot timer: Writing to this parameter prompts the sensor to send a wakeup notification one time after this parameter's number of seconds. After which it is reset back to 0.	2	0	1	32767 (0x7FFF)
3	Number of application level retries of messages either not ACKed or messages encapsulated via supervision get that did not receive a report.	1	5	0	5