

21SEPG2017

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Application Cover Letter

FCC ID: 2ABBZ- RF- CHW-S

CINCH Systems is applying for new family certification to FCC Part 15 Subpart C §15.231 for the following model sensors. The wireless communication interface with a security panel is regarded as a proprietary security protocol.

The following model numbers are associated with this application:

1. RF- HLTS-ITI-S
2. QS5535-840
3. RF-MDWSX-TILT-ITI-S
4. QS1131-840
5. RF-MDWSX-WATER-ITI-S
6. QS5536-840
7. RF-MDWSX-DB-ITI-S
8. QS1139-840

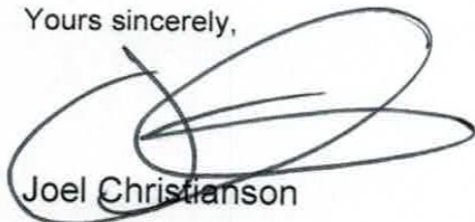
The radios in all eight models are electrically identical. Schematic, microcontroller, RF chip, matching circuit, fundamental frequency, crystal oscillator and enclosure for all eight model numbers are the same.

Differences between the 4 configurations

1. RF-MDWSX-DB-ITI-S (Cinch model number) and QS1139-840 (Qolsys model number) are mini doorbell sensors and uses three terminal wire that connect to existing doorbell.
2. RF-MDWSX-TILT-ITI-S (Cinch model number) and QS1131-840 (Qolsys model number) are mini garage sensors, it uses tilt switch for garage open and close state.
3. RF-HLTS-ITI-S (Cinch model number) and QS5535-840 (Qolsys model number) are mini high and low temperature sensors, it uses a thermistor for sensing temperature.
4. RF-MDWSX-WATER-ITI-S (Cinch model number) and QS5536-840 (Qolsys model number) are mini water sensors, it uses two terminal contact water sensor that detects water flood.

Communication protocol, packet structure, and timings are identical in all four cases.

Yours sincerely,



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