

## Z-Wave Protocol Implementation Conformance Statement

# Flood & Temperature Sensor

### General Information

<b>Product Identifier:</b>	FTS05P
<b>Brand Name:</b>	FortrezZ LLC
<b>Product Version:</b>	HW: 5 FW: 2.10
<b>Z-Wave Certification #:</b>	ZC10-17065641

### Product Features

<b>Battery Quantity</b>	2
<b>Battery Type</b>	AA alkaline
<b>Color</b>	Black
<b>Firmware Updatable</b>	Updatable by Consumer by RF
<b>Sensors</b>	Air Temperature Freeze Humidity Moisture Soil Temperature Water Temperature
<b>Supported Notification Types</b>	Heat Alarm Power Management System Water Alarm

### Z-Wave Product Information

Supports Z-Wave Beaming Technology?	No
Supports Z-Wave Network Security?	Yes
Supports Z-Wave AES-128 Security S0?	Yes
Supports Security S2?	No
SmartStart Compatible?	No

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(Continued)

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### Z-Wave Technical Information

<b>Z-Wave Frequency:</b>	U.S. / Canada / Mexico
<b>Z-Wave Product ID:</b>	0x020A
<b>Z-Wave Product Type:</b>	0x00A3
<b>Z-Wave Hardware Platform:</b>	ZM5202
<b>Z-Wave Development Kit Version:</b>	6.51.09
<b>Z-Wave Library Type:</b>	Enhanced 232 Slave
<b>Z-Wave Device Type / Role Type:</b>	Notification Sensor / Reporting Sleeping Slave

### Association Group Information

#### Group # / Max Description

##### Nodes

1 / 2	Z-Wave Plus Lifeline • Device Reset Locally (via 3 quick presses of the program switch) • Battery Report (when calculated battery life percentage changes) • Notifications o Water (Type 5; Event Waterleak_Detected) o Heat (Type 4; Event Underheat_Detected) o Heat (Type 4; Event Underheat_Detected) Power (Type 8; Events Power_Applied, Replace_Soon, Replace_Now)
2 / 2	Basic Set Command ON (default, 0xFF) or OFF (0x00) is sent to the associated nodes to indicate that a Water Alarm is active. This depends on the parameter 4 configuration value. When the water alarm is cleared, one additional report with the opposite value is sent.
3 / 2	Basic Set Command with value = 0xFF is sent to the associated nodes to indicate that a Temperature High condition has been detected. When the temperature is back in the normal range, one additional report with value = 0x00 is sent.
4 / 2	Basic Set Command with value = 0xFF is sent to the associated nodes to indicate that a Temperature Low condition has been detected. When the temperature is back in the normal range, one additional report with value = 0x00 is sent.
5 / 2	Temperature report (Multilevel Sensor) when the temperature has changed (with filtering/hysteresis to avoid continuous transmissions at a transition point).
6 / 2	Temperature report (Multilevel Sensor) every 5 minutes
7 / 2	Temperature report (Multilevel Sensor) every 20 minutes
8 / 2	Temperature report (Multilevel Sensor) every 60 minutes

#### Supported Command Classes (14):

Association Group Info	Association V2
Battery	Configuration
Device Reset Locally	Firmware Update Meta-Data V2
Manufacturer Specific V2	Notification V4
Powerlevel	Security S0
Sensor Multilevel V9	Version V2
Wake Up V2	Z-Wave Plus Info V2

#### Controlled Command Classes (1):

Basic