



Z-Wave Protocol Implementation Conformance Statement

Flood & Temperature Sensor

General Information

Product Identifier: FTS05
Brand Name: FortrezZ LLC
Product Version: HW: 5 FW: 2.11
Z-Wave Certification #: ZC10-17075715

Product Features

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

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

Z-Wave Frequency:	U.S. / Canada / Mexico
Z-Wave Product ID:	0x020B
Z-Wave Product Type:	0x0073
Z-Wave Hardware Platform:	ZM5202
Z-Wave Development Kit Version:	6.51.09
Z-Wave Library Type:	Enhanced 232 Slave
Z-Wave Device Type / Role Type:	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):

Command Class Association Group Info	Command Class Association V2
Command Class Battery	Command Class Configuration
Command Class Device Reset Locally	Command Class Firmware Update Md V2
Command Class Manufacturer Specific V2	Command Class Notification V4
Command Class Powerlevel	Command Class Security
Command Class Sensor Multilevel V9	Command Class Version V2
Command Class Wake Up V2	Command Class Z-Wave+ Info V2

Controlled Command Classes (1):

Command Class Basic
