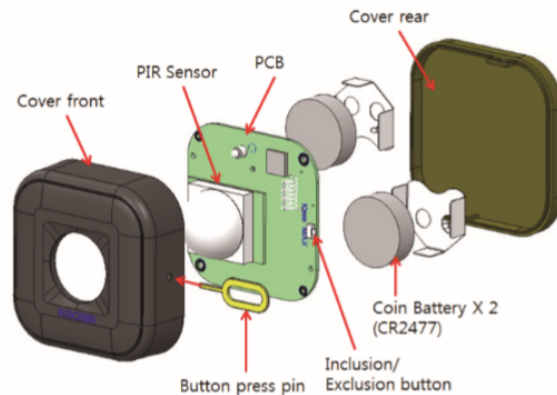


KAS-Z10(PIR Sensor)

Z-Wave PLUS Device

Guide Document

1. Product Overview



2. Device Inclusion

- Press & hold inclusion/Exclusion button during 1 seconds when Open Sensor is exclusion status
- Press for 1seconds, LED is turn on
- Open sensor will try inclusion for 15 seconds when button is released.
- If inclusion is successful, LED will blink 3 times with 100ms interval

3. Device Exclusion

- Press & hold inclusion/Exclusion button during 1 seconds when Open Sensor is exclusion status
- Press for 1seconds, LED is turn on
- Open sensor will try exclusion when button is released.
- If exclusion is successful, LED will blink 3 times with 100ms interval

4. Device Factory Reset

- Press & hold inclusion/Exclusion button during 5 seconds.
- LED turn on and LED turn off after 5sec
- Release Inclusion/Exclusion
- Factory reset will be done in 5 seconds and blink 5 times with 100ms interval

※ Please use factory reset only when the network primary controller is missing or otherwise inoperable

5. Association & Association Group Information

- Lifeline between controller and KAS-Z10
- Supported command classes Battery report, Notification report, and Device Reset Locally notification
- Sensor can max associate 1 nodes in each group
- Sensor supports one association groupings.

6. Notification Report

Notification Type	Event
Home Security(0x07)	Motion detect (0x08)
	Motion Idle(0x00)

7. Battery Report

- Battery Report is transmitted when the power is turned on
- Battery Report is transmitted when a battery falls less than 2.35V

Battery Voltage	Battery Level
2.35 ~ 3.0V	0 ~ 100 (%)
Under 2.35V	0xFF

8. Wake up Notification

- Wake up Notification is transmitted every 30 minutes by default.
- Wake up Notification can be changed in controller

9. Devices from multiple manufactures in one network

This product can be included and operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers and/or other applications. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.

10. Specification

Size	60(W) X 60(H) X 24(D)mm
Power	CR2477 2EA
Battery Lift Time	Over 1 year
Operation Tolerance	0°C ~ 45°C
Storage Tolerance	0°C ~ 45°C
Storage Humidity	80% max

Communication method	Z-Wave
Data Rate	100 kbps
Frequency	920.9MHz, 921.7MHz, 923.1MHz
Channel	3EA

Basic Command Class Basic Command Class is not supported for this Device Type (RSS).

11. Device Type / Supported Command Classes

- Generic Device Type : GENERIC_TYPE_SENSOR_NOTIFICATION
- Specific Device Type : SPECIFIC_TYPE_NOTIFICATION_SENSOR
- Command Classes
 - MMAND_CLASS_ZWAVEPLUS_INFO_V2
 - COMMAND_CLASS_ASSOCIATION_V2
 - COMMAND_CLASS_ASSOCIATION_GRP_INFO
 - COMMAND_CLASS_TRANSPORT_SERVICE_V2
 - COMMAND_CLASS_VERSION_V2
 - COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2
 - COMMAND_CLASS_DEVICE_RESET_LOCALLY
 - COMMAND_CLASS_POWERLEVEL
 - COMMAND_CLASS_BATTERY
 - COMMAND_CLASS_SECURITY_2
 - COMMAND_CLASS_NOTIFICATION_V8

- COMMAND_CLASS_WAKE_UP_V2
- COMMAND_CLASS_SUPERVISION
- S2 Supported Command Classes
 - COMMAND_CLASS_VERSION
 - COMMAND_CLASS_ASSOCIATION
 - COMMAND_CLASS_ASSOCIATION_GRP_INFO
 - COMMAND_CLASS_MANUFACTURER_SPECIFIC
 - COMMAND_CLASS_DEVICE_RESET_LOCALLY
 - COMMAND_CLASS_POWERLEVEL
 - COMMAND_CLASS_BATTERY
 - COMMAND_CLASS_NOTIFICATION
 - COMMAND_CLASS_WAKE_UP
 - COMMAND_CLASS_SUPERVISION