

# ZOOZ ZSE70 INTEGRATION RESOURCES

## Product Info

Full title: Zooz Z-Wave Long Range Outdoor Motion Sensor ZSE70 800LR

Short title: Outdoor Motion Sensor ZSE70

## Product images

## Product manual

## Parameter labels (device advanced settings)

Z-Wave Product ID: 027A 0004 0006

## Product type

Device Type	Basic device feature	Specific device feature	Role Type
Sensor - Notification	GENERIC_TYPE_SENSOR_NOTIFICATION	SPECIFIC_TYPE_NOTIFICATION_SENSOR	Reporting Sleeping Slave (RSS)

## Product Specs

Communication Protocol	Z-Wave (800 series, ZG23A020 )
Z-Wave Radio Frequency	908.42MHz (US) with LR (also available 868.42MHz, EU without LR )
Z-Wave LR Radio Frequency	912.00 MHz (default channel) 920.00 MHz (back up channel)
Wireless Range	More than 100 m outdoors About 40 m indoors (depending on building materials)
Power Source	3V, CR123A*2 or 12-24 V AC/DC
Working current	~10mA
Standby current	~60µA
Temperature Sensor	-10°C to 50°C / 14°F to 122°F with accuracy of ±2°C
PIR motion detection range	Min 10 meters
Light Sensor	0 LUX to 30000 LUX with ±20% accuracy
Battery Life	2 years
Operating Temperature	-10°C - 40°C / 14 - 104°F

Operating Humidity	8%- 100% non-condensing (100% during rain reports up to 100%)
--------------------	--

## **Z-Wave Command classes**

<b>Command</b>	<b>Version</b>	<b>Security type</b>
COMMAND_CLASS_ZWAVEPLUS_INFO_V2	2	None
COMMAND_CLASS_TRANSPORT_SERVICE_V2	2	None
COMMAND_CLASS_SECURITY_0_V1	1	None
COMMAND_CLASS_SECURITY_2_V1	1	None
COMMAND_CLASS_SUPERVISION_V1	1	None
COMMAND_CLASS_APPLICATION_STATUS_V1	1	None
COMMAND_CLASS_NOTIFICATION_V8	8	S0/S2 Authenticated/Unauthenticated
COMMAND_CLASS_BATTERY_V1	1	S0/S2 Authenticated/Unauthenticated
COMMAND_CLASS_WAKE_UP_V2	2	S0/S2 Authenticated/Unauthenticated
COMMAND_CLASS_CONFIGURATION_V4	4	S0/S2 Authenticated/Unauthenticated
COMMAND_CLASS_ASSOCIATION_V2	2	S0/S2 Authenticated/Unauthenticated
COMMAND_CLASS_ASSOCIATION_GRP_INFO_V3	3	S0/S2 Authenticated/Unauthenticated
COMMAND_CLASS_VERSION_V3	3	S0/S2 Authenticated/Unauthenticated
COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2	2	S0/S2 Authenticated/Unauthenticated
COMMAND_CLASS_DEVICE_RESET_LOCALLY_V1	1	S0/S2 Authenticated/Unauthenticated
COMMAND_CLASS_POWERLEVEL_V1	1	S0/S2 Authenticated/Unauthenticated
COMMAND_CLASS_FIRMWARE_UPDATE_MD_V5	5	S0/S2 Authenticated/Unauthenticated
COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION_V3	3	S0/S2 Authenticated/Unauthenticated
COMMAND_CLASS_INDICATOR_V3	3	S0/S2 Authenticated/Unauthenticated
COMMAND_CLASS_MULTILEVEL_SENSOR_V11	11	S2 Authenticated/Unauthenticated

## **Product features in the UI**

It's important that our users can access the advertised features and get the most value out of their smart home device. Here are the suggested features to expose for this product when integrating it with your platform. If any of the below attributes have not been implemented in the UI of your platform yet, feel free to reach out to us for detailed guidance.

- Motion reports (primary functionality)
  - Use cases: DIY security alerts for motion activity; smart lighting automation (turn on lights when motion active, turn off lights when motion inactive for 5 minutes)
  - Common adjustments (settings): motion sensitivity (parameter 1); motion clear delay (par 2); LED indicator on or off when motion triggered (par 6)
- Temperature reports (secondary functionality)
  - Use cases: ambient temperature monitoring to trigger remote heating or cooling; freeze or potential fire alerts for DIY security
  - Common adjustments (settings): temp reporting threshold (par 12); temperature offset (par 14); temp reporting frequency (par 17)
- Lux reports (secondary functionality)
  - Use cases: smart lighting trigger (turn on lights when there's motion and lux level is below x); report motion only at night (send motion reports to the hub only if lux level is below x set via parameter 16)
  - Common adjustments (settings): lux check frequency (par 10); lux offset (par 15); lux level trigger (par 16); lux reporting frequency (par 18)
- Battery level (primary functionality)
  - Use cases: low battery alerts to prevent service interruption; product performance comparison (users like tracking battery level between different devices to compare value)
  - Common adjustments (settings): low battery alert (par 7); battery check frequency (par 8)
- Battery vs AC main power (secondary functionality)
  - Use cases: detect which power source the sensor is using and if it was added as a network repeater
  - No relevant settings / parameters to expose
- Settings / parameters (primary functionality)
  - Use cases: see above for the most common adjustments (most power users expect to have easy access to device settings)
- Firmware version (secondary functionality)
  - Use cases: checking for available firmware updates (OTA functionality); troubleshooting device (firmware version can help identify known bugs covered in product documentation and changelog)