Document title		Document type
Service Description (SD) Arrowhead Z-wave System Demonstrator –Thermostats-Battery-Level- service		SD
Date		Version
2021-03-18		0.2
Author		Status
Salman Javed		For Approval
Contact		Page
Salman.javed@ltu.se		1 (3)

Service Description (SD) Arrowhead Z-wave System Demonstrator –Thermostats-Battery-Level- service

Abstract

This document provides the Service Description of Zwave Thermostat services that includes the **GetBatteryLevel** services.

1. Service Description Overview

This service provides the interfaces to get the batteryLevel of thermostat with requested deviceID.

The encrypted JSON object contains the following fields:

Example: **GetBatteryLevel**:

Request:
 {
" deviceID" : "22"
 }

Response:
 {
" deviceID" : "22",

"batteryLevel" : "75"

2. Data Model

Object Field	Value Type	Description
" deviceID"	String	Unique ID of the device from 2 to N assigned by the zwave Hat
" batteryLevel"	String	Battery Level in percentage of the thermostat

3. Abstract Interfaces

This Service provides following functionality

3.1.   GetBatteryLevel :

This is used to get the current batteryLevel value of the thermostat with deviceID provided using GET API.

4. Non-functional Requirements

The service has none non-functional requirements.

5. Revision history

5.1. Amendments

No.	Date	Version	Subject of Amendments	Author
1	2021-01-6	0.1	First draft	Salman Javed
2	2021-03-18	0.2	Second draft	Salman Javed

5.2. Quality Assurance

No.	Date	Version	Approved by
1			