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”

1. Data Model

|  |  |  |
| --- | --- | --- |
| Object Field | Value Type | Description |
| ” deviceID” | [String](#_bookmark12) | Unique ID of the device from 2 to N assigned by the zwave Hat |
| ” batteryLevel” | String | Battery Level in percentage of the thermostat |

1. Abstract Interfaces

This Service provides following functionality

# GetBatteryLevel :

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

1. Non-functional Requirements

The service has none non-functional requirements.

1. Revision history

# 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 |

# Quality Assurance

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Date | Version | Approved by |
| 1 |  |  |  |