

Document title Document Interface Design (IDD) type IDD Description Arrowhead Zwave System Demonstrator ThermostatsBatteryLevelServices Version 2021-03-18 0.2 Author Status Salman Javed For Approval Contact Page Salman.javed@ltu.se 1 (4)

Interface Design (IDD) Description_Arrowhead_Zwave_System_De monstrator_Thermostat-BatteryLevel-**Services**

Abstract

This document provides the Interface Design Description of Arrowhead compliant Interfaces of Zwave Thermostat Services.





Document titleVersionInterface Design (IDD)0.2Description_Arrowhead_Zwave_System_Demonstrator_ThermostatsBatteryLevelServicesStatusDateStatus2021-03-18ForApprovalApprovalPage
2 (4)

Table of contents

L.	. Interface Design Description Overview		
2.	Inte	rfaces	
3.	. Information Model		Error! Bookmark not defined
1.			Error! Bookmark not defined
5.	Revi	sion history	
į	5.1.	Amendments	
4	5.2.	Quality Assurance	

Document title Interface Design (IDD) Description_Arrowhead_Zwave_System_Demonstrator_ThermostatsBatteryLevelServices	Version 0.2
Date 2021-03-18	Status For Approva
	Page 3 (4)

1. Interface Design Description Overview

This document describes the services provided by Thermostat Valve with REST interface. This interface uses HTTPs.

Service description	Path
get-battery-level	

Communication Profile	Path
REST-JSON-TLS	

2. Interfaces

GetBatteryLevel:

The base URL for the request is: https://<host>:<port>/zwave

Function	URL subpath	Metho d	Input	Output	Description
GetBattery Level	"/thermostats /get-battery- level /{deviceID}	GET	deviceID (String)	deviceID (String) batteryLe vel (String)	Get the thermostat batteryLevel value for the given deviceID

3. Information Model

Example: GetBatteryLevel:

```
Request:
{
" deviceID" : "22"
}
Response:
{
" deviceID" : "22",
```

Document title Version Interface Design (IDD) 0.2

Description_Arrowhead_Zwave_System_Demonstrator_ThermostatsBatteryLevelServices

Date Status 2021-03-18 For Approval

Page 4 (4)

"batteryLevel" : "75" }

4. 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

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			