

Interface Design (IDD)

Description_Arrowhead_Zwave_System_Demonstrator_WallPlug-State-Services

Abstract

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

Table of contents

1.	Interface Design Description Overview	3
2.	Interfaces	3
3.	Information Model.....	Error! Bookmark not defined.
4.	References	Error! Bookmark not defined.
5.	Revision history	4
5.1.	Amendments.....	4
5.2.	Quality Assurance.....	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-state	
set-state	

Communication Profile	Path
REST-JSON-TLS	

2. Interfaces

GetState:

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

Function	URL subpath	Method	Input	Output	Description
GetState	/plugins/get-state/{deviceId}	GET	deviceId (String)	deviceId (String) State (String)	Get the Plug state "0" for OFF and "255" for ON for the given deviceId

SetState:

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

Function	URL subpath	Method	Input	Output	Description
SetState	/plugins/set-state/{deviceId}	PUT	deviceId (String) State (String)	UPDATED, BAD_REQUEST	Set the Plug state "0" for OFF and "255" for ON for the given deviceId

3. Information Model

Example: SetState

Request:

```
{  
  "deviceID" : "24",  
  "State" : "0",  
}
```

Response:

The Plug is switched OFF with resource successfully updated with response of 200=OK

4. Data Model

Object Field	Value Type	Description
"deviceID"	String	Unique ID of the device from 2 to N assigned by the zwave Hat
"state"	String	Plug state "0" for OFF and "255" for ON

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			