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

Abstract

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

1. Service Description Overview

This service provides the interfaces to get setpoint value, set the setpoint value of thermostat with requested deviceID.

The encrypted JSON object contains the following fields:

Example: **GetSetPoint**:

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

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

"setpoint" : "15"
}
```

2. Data Model

Object Field	Value Type	Description
" deviceID"	String	Unique ID of the device from 2 to N assigned by the zwave Hat
" setpoint"	String	SetPoint value of the thermostat in degree Celsius

3. Abstract Interfaces

This Service provides three functionalities.

3.1. GetSetPoint :

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

3.2.   SETSetPoint :

This is used to get the set the setpoint value of the thermostat with deviceID provided using PUT 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			