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temperature-service

Interface Design Description

Abstract

This document describes the **temperature-service** service and its JSON payload.

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1 Overview

This document describes the **temperature-service** service interface, that provides the current temperature.

2 Interface Description

The service responses with the status code `200 Ok` if called successfully. The error codes are, `400 Bad Request` if request is malformed, `401 Unauthorized` if improper client side certificate is provided, `500 Internal Server Error` if Thermostat is unavailable.

```
1  GET /termostat/temperature
2
3  {
4    "temperature": Double
5  }
```

Listing 1: A temperature-service response.

3 Data Models

3.1 Primitives

As all messages are encoded using the JSON format.

JSON Type	Description
Number	Any IEEE 754 binary64 floating point number. [**?**], except for *+Inf*, *-Inf* and *NaN*.