```json
[
    [
        {
            "id": "/dhwCircuits",
            "type": "refEnum",
            "references": [
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                    "id": "/dhwCircuits/dhw1",
                    "uri": "http://THERMOSTAT/dhwCircuits/dhw1"
                }
            ]
        },
        {
            "id": "/dhwCircuits/dhw1",
            "type": "refEnum",
            "references": [
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                    "id": "/dhwCircuits/dhw1/operationMode",
                    "uri": "http://THERMOSTAT/dhwCircuits/dhw1/operationMode"
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                {
                    "id": "/dhwCircuits/dhw1/switchPrograms",
                    "uri": "http://THERMOSTAT/dhwCircuits/dhw1/switchPrograms"
                },
                {
                    "id": "/dhwCircuits/dhw1/temperatureLevels",
                    "uri": "http://THERMOSTAT/dhwCircuits/dhw1/temperatureLevels"
                },
                {
                    "id": "/dhwCircuits/dhw1/currentSetpoint",
                    "uri": "http://THERMOSTAT/dhwCircuits/dhw1/currentSetpoint"
                },
                {
                    "id": "/dhwCircuits/dhw1/actualTemp",
                    "uri": "http://THERMOSTAT/dhwCircuits/dhw1/actualTemp"
                },
                {
                    "id": "/dhwCircuits/dhw1/waterFlow",
                    "uri": "http://THERMOSTAT/dhwCircuits/dhw1/waterFlow"
                },
                {
                    "id": "/dhwCircuits/dhw1/workingTime",
                    "uri": "http://THERMOSTAT/dhwCircuits/dhw1/workingTime"
                },
                {
                    "id": "/dhwCircuits/dhw1/charge",
                    "uri": "http://THERMOSTAT/dhwCircuits/dhw1/
```

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charge"
                },
                {
                    "id": "/dhwCircuits/dhw1/chargeDuration",
                    "uri": "http://THERMOSTAT/dhwCircuits/dhw1/
chargeDuration"
                },
                {
                    "id": "/dhwCircuits/dhw1/tdMode",
                    "uri": "http://THERMOSTAT/dhwCircuits/dhw1/
tdMode"
                },
                {
                    "id": "/dhwCircuits/dhw1/tdsetPoint",
                    "uri": "http://THERMOSTAT/dhwCircuits/dhw1/
tdsetPoint"
                },
                {
                    "id": "/dhwCircuits/dhw1/cpStartph",
                    "uri": "http://THERMOSTAT/dhwCircuits/dhw1/
cpStartph"
                },
                {
                    "id": "/dhwCircuits/dhw1/cpoperationMode",
                    "uri": "http://THERMOSTAT/dhwCircuits/dhw1/
cpoperationMode"
                },
                {
                    "id": "/dhwCircuits/dhw1/singleChargeSetpoint",
                    "uri": "http://THERMOSTAT/dhwCircuits/dhw1/
singleChargeSetpoint"
                },
                {
                    "id": "/dhwCircuits/dhw1/holidayMode",
                    "uri": "http://THERMOSTAT/dhwCircuits/dhw1/
holidayMode"
                },
                {
                    "id": "/dhwCircuits/dhw1/status",
                    "uri": "http://THERMOSTAT/dhwCircuits/dhw1/
status"
                }
            ]
        },
        {
            "id": "/dhwCircuits/dhw1/operationMode",
            "type": "stringValue",
            "writeable": 1,
            "recordable": 0,
            "value": "ownprogram",
            "allowedValues": [
                "Off",
                "high",
                "HCprogram",
```

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                "ownprogram"
            ]
        },
        {
            "id": "/dhwCircuits/dhw1/switchPrograms",
            "type": "refEnum",
            "references": [
                {
                    "id": "/dhwCircuits/dhw1/switchPrograms/A",
                    "uri": "http://THERMOSTAT/dhwCircuits/dhw1/
switchPrograms/A"
                }
            ]
        },
        {
            "id": "/dhwCircuits/dhw1/switchPrograms/A",
            "type": "switchProgram",
            "setpointProperty": {
                "id": "/dhwCircuits/dhw1/temperatureLevels",
                "uri": "http://THERMOSTAT/dhwCircuits/dhw1/
temperatureLevels"
            },
            "maxNbOfSwitchPoints": 42,
            "maxNbOfSwitchPointsPerDay": 6,
            "switchPointTimeRaster": 15,
            "writeable": 1,
            "switchPoints": [
                {
                    "dayOfWeek": "Mo",
                    "setpoint": "high",
                    "time": 360
                },
                {
                    "dayOfWeek": "Mo",
                    "setpoint": "off",
                    "time": 1320
                },
                {
                    "dayOfWeek": "Tu",
                    "setpoint": "high",
                    "time": 360
                },
                {
                    "dayOfWeek": "Tu",
                    "setpoint": "off",
                    "time": 1320
                },
                {
                    "dayOfWeek": "We",
                    "setpoint": "high",
                    "time": 360
                },
                {
                    "dayOfWeek": "We",
```

```json
                    "setpoint": "off",
                    "time": 1320
                },
                {
                    "dayOfWeek": "Th",
                    "setpoint": "high",
                    "time": 360
                },
                {
                    "dayOfWeek": "Th",
                    "setpoint": "off",
                    "time": 1320
                },
                {
                    "dayOfWeek": "Fr",
                    "setpoint": "high",
                    "time": 360
                },
                {
                    "dayOfWeek": "Fr",
                    "setpoint": "off",
                    "time": 1320
                },
                {
                    "dayOfWeek": "Sa",
                    "setpoint": "high",
                    "time": 360
                },
                {
                    "dayOfWeek": "Sa",
                    "setpoint": "off",
                    "time": 1320
                },
                {
                    "dayOfWeek": "Su",
                    "setpoint": "high",
                    "time": 360
                },
                {
                    "dayOfWeek": "Su",
                    "setpoint": "off",
                    "time": 1320
                }
            ]
        },
        {
            "id": "/dhwCircuits/dhw1/temperatureLevels",
            "type": "refEnum",
            "references": [
                {
                    "id": "/dhwCircuits/dhw1/temperatureLevels/off",
                    "uri": "http://THERMOSTAT/dhwCircuits/dhw1/
temperatureLevels/off"
                },
```

```json
            {
                "id": "/dhwCircuits/dhw1/temperatureLevels/
high",
                "uri": "http://THERMOSTAT/dhwCircuits/dhw1/
temperatureLevels/high"
            }
        ]
    },
    {
        "id": "/dhwCircuits/dhw1/temperatureLevels/off",
        "type": "floatValue",
        "writeable": 0,
        "recordable": 0,
        "value": 0.0,
        "unitOfMeasure": "C"
    },
    {
        "id": "/dhwCircuits/dhw1/temperatureLevels/high",
        "type": "floatValue",
        "writeable": 1,
        "recordable": 0,
        "value": 39.0,
        "unitOfMeasure": "C",
        "minValue": 30.0,
        "maxValue": 80.0
    },
    {
        "id": "/dhwCircuits/dhw1/currentSetpoint",
        "type": "floatValue",
        "writeable": 0,
        "recordable": 0,
        "value": 39.0,
        "unitOfMeasure": "C"
    },
    {
        "id": "/dhwCircuits/dhw1/actualTemp",
        "type": "floatValue",
        "writeable": 0,
        "recordable": 0,
        "value": 47.3,
        "unitOfMeasure": "C",
        "state": [
            {
                "open": -3276.8
            },
            {
                "short": 3276.7
            }
        ]
    },
    {
        "id": "/dhwCircuits/dhw1/waterFlow",
        "type": "floatValue",
        "writeable": 0,
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```json
            "recordable": 0,
            "value": 0.0,
            "unitOfMeasure": "l/min"
        },
        {
            "id": "/dhwCircuits/dhw1/workingTime",
            "type": "floatValue",
            "writeable": 0,
            "recordable": 0,
            "value": 25383,
            "unitOfMeasure": "mins"
        },
        {
            "id": "/dhwCircuits/dhw1/charge",
            "type": "stringValue",
            "writeable": 1,
            "recordable": 0,
            "value": "stop",
            "allowedValues": [
                "stop",
                "start"
            ]
        },
        {
            "id": "/dhwCircuits/dhw1/chargeDuration",
            "type": "floatValue",
            "writeable": 1,
            "recordable": 0,
            "value": 60.0,
            "unitOfMeasure": "mins",
            "minValue": 15.0,
            "maxValue": 2880.0
        },
        {
            "id": "/dhwCircuits/dhw1/singleChargeSetpoint",
            "type": "floatValue",
            "writeable": 1,
            "recordable": 0,
            "value": 39.0,
            "unitOfMeasure": "C",
            "minValue": 30.0,
            "maxValue": 80.0
        },
        {
            "id": "/dhwCircuits/dhw1/holidayMode",
            "type": "refEnum",
            "references": [
                {
                    "id": "/dhwCircuits/dhw1/holidayMode/activated",
                    "uri": "http://THERMOSTAT/dhwCircuits/dhw1/
holidayMode/activated"
                }
            ]
        },
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{
    "id": "/dhwCircuits/dhw1/holidayMode/activated",
    "type": "stringValue",
    "writeable": 0,
    "recordable": 0,
    "value": "",
    "allowedValues": [
        "",
        "hm1",
        "hm2",
        "hm3",
        "hm4",
        "hm5"
    ]
},
{
    "id": "/dhwCircuits/dhw1/status",
    "type": "stringValue",
    "writeable": 0,
    "recordable": 0,
    "value": "ACTIVE",
    "allowedValues": [
        "INACTIVE",
        "ACTIVE"
    ]
}
],
[
    {
        "id": "/gateway",
        "type": "refEnum",
        "references": [
            {
                "id": "/gateway/uuid",
                "uri": "http://THERMOSTAT/gateway/uuid"
            },
            {
                "id": "/gateway/firmware",
                "uri": "http://THERMOSTAT/gateway/firmware"
            },
            {
                "id": "/gateway/userpassword",
                "uri": "http://THERMOSTAT/gateway/userpassword"
            },
            {
                "id": "/gateway/versionFirmware",
                "uri": "http://THERMOSTAT/gateway/
versionFirmware"
            },
            {
                "id": "/gateway/versionHardware",
                "uri": "http://THERMOSTAT/gateway/
versionHardware"
            },
```

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                    {
                        "id": "/gateway/boschSHPassword",
                        "uri": "http://THERMOSTAT/gateway/
boschSHPassword"
                    },
                    {
                        "id": "/gateway/portalPassword",
                        "uri": "http://THERMOSTAT/gateway/
portalPassword"
                    },
                    {
                        "id": "/gateway/knxPassword",
                        "uri": "http://THERMOSTAT/gateway/knxPassword"
                    },
                    {
                        "id": "/gateway/haiPassword",
                        "uri": "http://THERMOSTAT/gateway/haiPassword"
                    },
                    {
                        "id": "/gateway/DateTime",
                        "uri": "http://THERMOSTAT/gateway/DateTime"
                    },
                    {
                        "id": "/gateway/instPassword",
                        "uri": "http://THERMOSTAT/gateway/instPassword"
                    },
                    {
                        "id": "/gateway/instAccess",
                        "uri": "http://THERMOSTAT/gateway/instAccess"
                    },
                    {
                        "id": "/gateway/instWriteAccess",
                        "uri": "http://THERMOSTAT/gateway/
instWriteAccess"
                    },
                    {
                        "id": "/gateway/version",
                        "uri": "http://THERMOSTAT/gateway/version"
                    },
                    {
                        "id": "/gateway/update",
                        "uri": "http://THERMOSTAT/gateway/update"
                    },
                    {
                        "id": "/gateway/logging",
                        "uri": "http://THERMOSTAT/gateway/logging"
                    }
                ]
            },
            {
                "id": "/gateway/uuid",
                "type": "stringValue",
                "writeable": 0,
                "recordable": 0,
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        "value": "-1",
        "allowedValues": [
            "-1"
        ]
    },
    {},
    {
        "id": "/gateway/versionFirmware",
        "type": "stringValue",
        "writeable": 0,
        "recordable": 0,
        "value": "04.07.05"
    },
    {
        "id": "/gateway/versionHardware",
        "type": "stringValue",
        "writeable": 0,
        "recordable": 0,
        "value": "iCom_Low_NSC_v1"
    },
    {
        "id": "/gateway/DateTime",
        "type": "stringValue",
        "writeable": 1,
        "recordable": 0,
        "value": "2021-01-02T21:01:44"
    },
    {
        "id": "/gateway/instAccess",
        "type": "stringValue",
        "writeable": 1,
        "recordable": 0,
        "value": "off",
        "allowedValues": [
            "off",
            "on"
        ]
    },
    {
        "id": "/gateway/instWriteAccess",
        "type": "stringValue",
        "writeable": 1,
        "recordable": 0,
        "value": "off",
        "allowedValues": [
            "off",
            "on"
        ]
    },
    {
        "id": "/gateway/update",
        "type": "refEnum",
        "references": [
            {
```

```
                    "id": "/gateway/update/version",
                    "uri": "http://THERMOSTAT/gateway/update/
version"
                },
                {
                    "id": "/gateway/update/request",
                    "uri": "http://THERMOSTAT/gateway/update/
request"
                },
                {
                    "id": "/gateway/update/strategy",
                    "uri": "http://THERMOSTAT/gateway/update/
strategy"
                },
                {
                    "id": "/gateway/update/status",
                    "uri": "http://THERMOSTAT/gateway/update/status"
                }
            ]
        },
        {
            "id": "/gateway/update/status",
            "type": "stringValue",
            "writeable": 0,
            "recordable": 0,
            "value": "completed",
            "allowedValues": [
                "inprogress",
                "completed",
                "interrupted"
            ]
        },
        {
            "id": "/gateway/logging",
            "type": "refEnum",
            "references": [
                {
                    "id": "/gateway/logging/switch",
                    "uri": "http://THERMOSTAT/gateway/logging/
switch"
                },
                {
                    "id": "/gateway/logging/reqBusVar",
                    "uri": "http://THERMOSTAT/gateway/logging/
reqBusVar"
                },
                {
                    "id": "/gateway/logging/userAcceptance",
                    "uri": "http://THERMOSTAT/gateway/logging/
userAcceptance"
                }
            ]
        },
        {
```

```
            "id": "/gateway/logging/userAcceptance",
            "type": "stringValue",
            "writeable": 1,
            "recordable": 0,
            "value": "false",
            "allowedValues": [
                "false",
                "true"
            ]
        }
    ],
    [
        {
            "id": "/heatingCircuits",
            "type": "refEnum",
            "references": [
                {
                    "id": "/heatingCircuits/hc1",
                    "uri": "http://THERMOSTAT/heatingCircuits/hc1"
                }
            ]
        },
        {
            "id": "/heatingCircuits/hc1",
            "type": "refEnum",
            "references": [
                {
                    "id": "/heatingCircuits/hc1/
currentRoomSetpoint",
                    "uri": "http://THERMOSTAT/heatingCircuits/hc1/
currentRoomSetpoint"
                },
                {
                    "id": "/heatingCircuits/hc1/
actualSupplyTemperature",
                    "uri": "http://THERMOSTAT/heatingCircuits/hc1/
actualSupplyTemperature"
                },
                {
                    "id": "/heatingCircuits/hc1/
actualSupplyTempSetpoint",
                    "uri": "http://THERMOSTAT/heatingCircuits/hc1/
actualSupplyTempSetpoint"
                },
                {
                    "id": "/heatingCircuits/hc1/operationMode",
                    "uri": "http://THERMOSTAT/heatingCircuits/hc1/
operationMode"
                },
                {
                    "id": "/heatingCircuits/hc1/
supplyTemperatureSetpoint",
                    "uri": "http://THERMOSTAT/heatingCircuits/hc1/
supplyTemperatureSetpoint"
```

```
                },
                {
                        "id": "/heatingCircuits/hc1/
temporaryRoomSetpoint",
                        "uri": "http://THERMOSTAT/heatingCircuits/hc1/
temporaryRoomSetpoint"
                },
                {
                        "id": "/heatingCircuits/hc1/roomtemperature",
                        "uri": "http://THERMOSTAT/heatingCircuits/hc1/
roomtemperature"
                },
                {
                        "id": "/heatingCircuits/hc1/
activeSwitchProgram",
                        "uri": "http://THERMOSTAT/heatingCircuits/hc1/
activeSwitchProgram"
                },
                {
                        "id": "/heatingCircuits/hc1/timeToNextSetpoint",
                        "uri": "http://THERMOSTAT/heatingCircuits/hc1/
timeToNextSetpoint"
                },
                {
                        "id": "/heatingCircuits/hc1/nextSetpoint",
                        "uri": "http://THERMOSTAT/heatingCircuits/hc1/
nextSetpoint"
                },
                {
                        "id": "/heatingCircuits/hc1/switchPrograms",
                        "uri": "http://THERMOSTAT/heatingCircuits/hc1/
switchPrograms"
                },
                {
                        "id": "/heatingCircuits/hc1/temperatureLevels",
                        "uri": "http://THERMOSTAT/heatingCircuits/hc1/
temperatureLevels"
                },
                {
                        "id": "/heatingCircuits/hc1/pumpModulation",
                        "uri": "http://THERMOSTAT/heatingCircuits/hc1/
pumpModulation"
                },
                {
                        "id": "/heatingCircuits/hc1/suWiThreshold",
                        "uri": "http://THERMOSTAT/heatingCircuits/hc1/
suWiThreshold"
                },
                {
                        "id": "/heatingCircuits/hc1/designTemp",
                        "uri": "http://THERMOSTAT/heatingCircuits/hc1/
designTemp"
                },
                {
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                "id": "/heatingCircuits/hc1/roomTempOffset",
                "uri": "http://THERMOSTAT/heatingCircuits/hc1/
roomTempOffset"
            },
            {
                "id": "/heatingCircuits/hc1/heatCurveMax",
                "uri": "http://THERMOSTAT/heatingCircuits/hc1/
heatCurveMax"
            },
            {
                "id": "/heatingCircuits/hc1/controlType",
                "uri": "http://THERMOSTAT/heatingCircuits/hc1/
controlType"
            },
            {
                "id": "/heatingCircuits/hc1/roomInfluence",
                "uri": "http://THERMOSTAT/heatingCircuits/hc1/
roomInfluence"
            },
            {
                "id": "/heatingCircuits/hc1/fastHeatupFactor",
                "uri": "http://THERMOSTAT/heatingCircuits/hc1/
fastHeatupFactor"
            },
            {
                "id": "/heatingCircuits/hc1/suWiSwitchMode",
                "uri": "http://THERMOSTAT/heatingCircuits/hc1/
suWiSwitchMode"
            },
            {
                "id": "/heatingCircuits/hc1/currentOpModeInfo",
                "uri": "http://THERMOSTAT/heatingCircuits/hc1/
currentOpModeInfo"
            },
            {
                "id": "/heatingCircuits/hc1/cooling",
                "uri": "http://THERMOSTAT/heatingCircuits/hc1/
cooling"
            },
            {
                "id": "/heatingCircuits/hc1/currentSuWiMode",
                "uri": "http://THERMOSTAT/heatingCircuits/hc1/
currentSuWiMode"
            },
            {
                "id": "/heatingCircuits/hc1/holidayMode",
                "uri": "http://THERMOSTAT/heatingCircuits/hc1/
holidayMode"
            },
            {
                "id": "/heatingCircuits/hc1/status",
                "uri": "http://THERMOSTAT/heatingCircuits/hc1/
status"
            }
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            ]
        },
        {
            "id": "/heatingCircuits/hc1/currentRoomSetpoint",
            "type": "floatValue",
            "writeable": 0,
            "recordable": 0,
            "value": 25.0,
            "unitOfMeasure": "C",
            "state": [
                {
                    "off": 0.0
                }
            ]
        },
        {
            "id": "/heatingCircuits/hc1/actualSupplyTemperature",
            "type": "floatValue",
            "writeable": 0,
            "recordable": 0,
            "value": 30.6,
            "unitOfMeasure": "C",
            "state": [
                {
                    "open": -3276.8
                },
                {
                    "short": 3276.7
                }
            ]
        },
        {
            "id": "/heatingCircuits/hc1/operationMode",
            "type": "stringValue",
            "writeable": 1,
            "recordable": 0,
            "value": "auto",
            "allowedValues": [
                "auto",
                "manual"
            ]
        },
        {
            "id": "/heatingCircuits/hc1/supplyTemperatureSetpoint",
            "type": "floatValue",
            "writeable": 0,
            "recordable": 0,
            "value": 33.0,
            "unitOfMeasure": "C",
            "state": [
                {
                    "off_heat": 0.0
                },
                {
```

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                    "off_cool": 90.0
                }
            ]
        },
        {
            "id": "/heatingCircuits/hc1/temporaryRoomSetpoint",
            "type": "floatValue",
            "writeable": 1,
            "recordable": 0,
            "value": -1.0,
            "unitOfMeasure": "C",
            "minValue": 5.0,
            "maxValue": 30.0,
            "state": [
                {
                    "off": 0.0
                },
                {
                    "na": -1.0
                }
            ]
        },
        {
            "id": "/heatingCircuits/hc1/roomtemperature",
            "type": "floatValue",
            "writeable": 0,
            "recordable": 1,
            "value": -3276.8,
            "unitOfMeasure": "C",
            "state": [
                {
                    "open": -3276.8
                },
                {
                    "short": 3276.7
                }
            ]
        },
        {
            "id": "/heatingCircuits/hc1/activeSwitchProgram",
            "type": "stringValue",
            "writeable": 1,
            "recordable": 0,
            "value": "A",
            "allowedValues": [
                "A",
                "B"
            ]
        },
        {
            "id": "/heatingCircuits/hc1/switchPrograms",
            "type": "refEnum",
            "references": [
                {
```

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            "id": "/heatingCircuits/hc1/switchPrograms/A",
            "uri": "http://THERMOSTAT/heatingCircuits/hc1/
switchPrograms/A"
        },
        {
            "id": "/heatingCircuits/hc1/switchPrograms/B",
            "uri": "http://THERMOSTAT/heatingCircuits/hc1/
switchPrograms/B"
        }
    ]
},
{
    "id": "/heatingCircuits/hc1/switchPrograms/A",
    "type": "switchProgram",
    "setpointProperty": {
        "id": "/heatingCircuits/hc1/temperatureLevels",
        "uri": "http://THERMOSTAT/heatingCircuits/hc1/
temperatureLevels"
    },
    "maxNbOfSwitchPoints": 42,
    "maxNbOfSwitchPointsPerDay": 6,
    "switchPointTimeRaster": 15,
    "writeable": 1,
    "switchPoints": [
        {
            "dayOfWeek": "Mo",
            "setpoint": "comfort2",
            "time": 0
        },
        {
            "dayOfWeek": "Mo",
            "setpoint": "eco",
            "time": 1425
        },
        {
            "dayOfWeek": "Tu",
            "setpoint": "comfort2",
            "time": 0
        },
        {
            "dayOfWeek": "Tu",
            "setpoint": "eco",
            "time": 1425
        },
        {
            "dayOfWeek": "We",
            "setpoint": "comfort2",
            "time": 0
        },
        {
            "dayOfWeek": "We",
            "setpoint": "eco",
            "time": 1425
        },
```

```json
                    {
                        "dayOfWeek": "Th",
                        "setpoint": "comfort2",
                        "time": 0
                    },
                    {
                        "dayOfWeek": "Th",
                        "setpoint": "eco",
                        "time": 1425
                    },
                    {
                        "dayOfWeek": "Fr",
                        "setpoint": "comfort2",
                        "time": 0
                    },
                    {
                        "dayOfWeek": "Fr",
                        "setpoint": "eco",
                        "time": 1425
                    },
                    {
                        "dayOfWeek": "Sa",
                        "setpoint": "comfort2",
                        "time": 0
                    },
                    {
                        "dayOfWeek": "Sa",
                        "setpoint": "eco",
                        "time": 1425
                    },
                    {
                        "dayOfWeek": "Su",
                        "setpoint": "comfort2",
                        "time": 0
                    },
                    {
                        "dayOfWeek": "Su",
                        "setpoint": "eco",
                        "time": 1425
                    }
                ]
            },
            {
                "id": "/heatingCircuits/hc1/switchPrograms/B",
                "type": "switchProgram",
                "setpointProperty": {
                    "id": "/heatingCircuits/hc1/temperatureLevels",
                    "uri": "http://THERMOSTAT/heatingCircuits/hc1/
temperatureLevels"
                },
                "maxNbOfSwitchPoints": 42,
                "maxNbOfSwitchPointsPerDay": 6,
                "switchPointTimeRaster": 15,
                "writeable": 1,
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"switchPoints": [
    {
        "dayOfWeek": "Mo",
        "setpoint": "comfort2",
        "time": 360
    },
    {
        "dayOfWeek": "Mo",
        "setpoint": "eco",
        "time": 480
    },
    {
        "dayOfWeek": "Mo",
        "setpoint": "comfort2",
        "time": 960
    },
    {
        "dayOfWeek": "Mo",
        "setpoint": "eco",
        "time": 1380
    },
    {
        "dayOfWeek": "Tu",
        "setpoint": "comfort2",
        "time": 360
    },
    {
        "dayOfWeek": "Tu",
        "setpoint": "eco",
        "time": 480
    },
    {
        "dayOfWeek": "Tu",
        "setpoint": "comfort2",
        "time": 960
    },
    {
        "dayOfWeek": "Tu",
        "setpoint": "eco",
        "time": 1380
    },
    {
        "dayOfWeek": "We",
        "setpoint": "comfort2",
        "time": 360
    },
    {
        "dayOfWeek": "We",
        "setpoint": "eco",
        "time": 480
    },
    {
        "dayOfWeek": "We",
        "setpoint": "comfort2",
```

```json
            "time": 960
        },
        {

            "dayOfWeek": "We",
            "setpoint": "eco",
            "time": 1380
        },
        {

            "dayOfWeek": "Th",
            "setpoint": "comfort2",
            "time": 360
        },
        {

            "dayOfWeek": "Th",
            "setpoint": "eco",
            "time": 480
        },
        {

            "dayOfWeek": "Th",
            "setpoint": "comfort2",
            "time": 960
        },
        {

            "dayOfWeek": "Th",
            "setpoint": "eco",
            "time": 1380
        },
        {

            "dayOfWeek": "Fr",
            "setpoint": "comfort2",
            "time": 360
        },
        {

            "dayOfWeek": "Fr",
            "setpoint": "eco",
            "time": 480
        },
        {

            "dayOfWeek": "Fr",
            "setpoint": "comfort2",
            "time": 960
        },
        {

            "dayOfWeek": "Fr",
            "setpoint": "eco",
            "time": 1380
        },
        {

            "dayOfWeek": "Sa",
            "setpoint": "comfort2",
            "time": 480
        },
        {

            "dayOfWeek": "Sa",
```

```json
                    "setpoint": "eco",
                    "time": 1380
                },
                {

                    "dayOfWeek": "Su",
                    "setpoint": "comfort2",
                    "time": 480
                },
                {

                    "dayOfWeek": "Su",
                    "setpoint": "eco",
                    "time": 1380
                }
            ]
        },
        {
            "id": "/heatingCircuits/hc1/temperatureLevels",
            "type": "refEnum",
            "references": [
                {
                    "id": "/heatingCircuits/hc1/temperatureLevels/
eco",
                    "uri": "http://THERMOSTAT/heatingCircuits/hc1/
temperatureLevels/eco"
                },
                {
                    "id": "/heatingCircuits/hc1/temperatureLevels/
comfort2",
                    "uri": "http://THERMOSTAT/heatingCircuits/hc1/
temperatureLevels/comfort2"
                }
            ]
        },
        {
            "id": "/heatingCircuits/hc1/temperatureLevels/eco",
            "type": "floatValue",
            "writeable": 1,
            "recordable": 0,
            "value": 17.0,
            "unitOfMeasure": "C",
            "minValue": 5.0,
            "maxValue": 24.5,
            "state": [
                {
                    "off": 0.0
                }
            ]
        },
        {
            "id": "/heatingCircuits/hc1/temperatureLevels/comfort2",
            "type": "floatValue",
            "writeable": 1,
            "recordable": 0,
            "value": 25.0,
```

```json
        "unitOfMeasure": "C",
        "minValue": 17.5,
        "maxValue": 30.0
    },
    {
        "id": "/heatingCircuits/hc1/pumpModulation",
        "type": "floatValue",
        "writeable": 0,
        "recordable": 0,
        "value": 100.0,
        "unitOfMeasure": "%"
    },
    {
        "id": "/heatingCircuits/hc1/suWiThreshold",
        "type": "floatValue",
        "writeable": 1,
        "recordable": 0,
        "value": 25.0,
        "unitOfMeasure": "C",
        "minValue": 10.0,
        "maxValue": 30.0
    },
    {
        "id": "/heatingCircuits/hc1/fastHeatupFactor",
        "type": "floatValue",
        "writeable": 1,
        "recordable": 0,
        "value": 0.0,
        "unitOfMeasure": "%",
        "minValue": 1.0,
        "maxValue": 100.0,
        "state": [
            {
                "off": 0.0
            }
        ]
    },
    {
        "id": "/heatingCircuits/hc1/suWiSwitchMode",
        "type": "stringValue",
        "writeable": 1,
        "recordable": 0,
        "value": "automatic",
        "allowedValues": [
            "off",
            "automatic",
            "forced"
        ]
    },
    {
        "id": "/heatingCircuits/hc1/cooling",
        "type": "refEnum",
        "references": []
    },
```

```json
        {
            "id": "/heatingCircuits/hc1/currentSuWiMode",
            "type": "stringValue",
            "writeable": 0,
            "recordable": 0,
            "value": "forced",
            "allowedValues": [
                "off",
                "forced",
                "cooling"
            ]
        },
        {
            "id": "/heatingCircuits/hc1/holidayMode",
            "type": "refEnum",
            "references": [
                {
                    "id": "/heatingCircuits/hc1/holidayMode/
activated",
                    "uri": "http://THERMOSTAT/heatingCircuits/hc1/
holidayMode/activated"
                }
            ]
        },
        {
            "id": "/heatingCircuits/hc1/holidayMode/activated",
            "type": "stringValue",
            "writeable": 0,
            "recordable": 0,
            "value": "",
            "allowedValues": [
                "",
                "hm1",
                "hm2",
                "hm3",
                "hm4",
                "hm5"
            ]
        },
        {
            "id": "/heatingCircuits/hc1/status",
            "type": "stringValue",
            "writeable": 0,
            "recordable": 0,
            "value": "ACTIVE",
            "allowedValues": [
                "INACTIVE",
                "ACTIVE"
            ]
        }
    ],
    [
        {
            "id": "/heatSources",
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```
                    "type": "refEnum",
                    "references": [
                        {
                            "id": "/heatSources/info",
                            "uri": "http://THERMOSTAT/heatSources/info"
                        },
                        {
                            "id": "/heatSources/actualPower",
                            "uri": "http://THERMOSTAT/heatSources/
actualPower"
                        },
                        {
                            "id": "/heatSources/actualCHPower",
                            "uri": "http://THERMOSTAT/heatSources/
actualCHPower"
                        },
                        {
                            "id": "/heatSources/actualDHWPower",
                            "uri": "http://THERMOSTAT/heatSources/
actualDHWPower"
                        },
                        {
                            "id": "/heatSources/actualModulation",
                            "uri": "http://THERMOSTAT/heatSources/
actualModulation"
                        },
                        {
                            "id": "/heatSources/burnerModulationSetpoint",
                            "uri": "http://THERMOSTAT/heatSources/
burnerModulationSetpoint"
                        },
                        {
                            "id": "/heatSources/burnerPowerSetpoint",
                            "uri": "http://THERMOSTAT/heatSources/
burnerPowerSetpoint"
                        },
                        {
                            "id": "/heatSources/flameStatus",
                            "uri": "http://THERMOSTAT/heatSources/
flameStatus"
                        },
                        {
                            "id": "/heatSources/CHpumpModulation",
                            "uri": "http://THERMOSTAT/heatSources/
CHpumpModulation"
                        },
                        {
                            "id": "/heatSources/actualSupplyTemperature",
                            "uri": "http://THERMOSTAT/heatSources/
actualSupplyTemperature"
                        },
                        {
                            "id": "/heatSources/powerSetpoint",
                            "uri": "http://THERMOSTAT/heatSources/
```

```
powerSetpoint"
                },
                {
                        "id": "/heatSources/gasAirPressure",
                        "uri": "http://THERMOSTAT/heatSources/
gasAirPressure"
                },
                {
                        "id": "/heatSources/systemPressure",
                        "uri": "http://THERMOSTAT/heatSources/
systemPressure"
                },
                {
                        "id": "/heatSources/ChimneySweeper",
                        "uri": "http://THERMOSTAT/heatSources/
ChimneySweeper"
                },
                {
                        "id": "/heatSources/returnTemperature",
                        "uri": "http://THERMOSTAT/heatSources/
returnTemperature"
                },
                {
                        "id": "/heatSources/numberOfStarts",
                        "uri": "http://THERMOSTAT/heatSources/
numberOfStarts"
                },
                {
                        "id": "/heatSources/supplyTemperatureSetpoint",
                        "uri": "http://THERMOSTAT/heatSources/
supplyTemperatureSetpoint"
                },
                {
                        "id": "/heatSources/applianceSupplyTemperature",
                        "uri": "http://THERMOSTAT/heatSources/
applianceSupplyTemperature"
                },
                {
                        "id": "/heatSources/nominalCHPower",
                        "uri": "http://THERMOSTAT/heatSources/
nominalCHPower"
                },
                {
                        "id": "/heatSources/nominalDHWPower",
                        "uri": "http://THERMOSTAT/heatSources/
nominalDHWPower"
                },
                {
                        "id": "/heatSources/chimneyTemperature",
                        "uri": "http://THERMOSTAT/heatSources/
chimneyTemperature"
                },
                {
                        "id": "/heatSources/sensors",
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```json
                "uri": "http://THERMOSTAT/heatSources/sensors"
            },
            {
                "id": "/heatSources/workingTime",
                "uri": "http://THERMOSTAT/heatSources/
workingTime"
            },
            {
                "id": "/heatSources/fuelCell",
                "uri": "http://THERMOSTAT/heatSources/fuelCell"
            },
            {
                "id": "/heatSources/energyMonitoring",
                "uri": "http://THERMOSTAT/heatSources/
energyMonitoring"
            },
            {
                "id": "/heatSources/hs1",
                "uri": "http://THERMOSTAT/heatSources/hs1"
            },
            {
                "id": "/heatSources/ch",
                "uri": "http://THERMOSTAT/heatSources/ch"
            },
            {
                "id": "/heatSources/dhw",
                "uri": "http://THERMOSTAT/heatSources/dhw"
            },
            {
                "id": "/heatSources/pool",
                "uri": "http://THERMOSTAT/heatSources/pool"
            },
            {
                "id": "/heatSources/total",
                "uri": "http://THERMOSTAT/heatSources/total"
            },
            {
                "id": "/heatSources/electricGrid",
                "uri": "http://THERMOSTAT/heatSources/
electricGrid"
            }
        ]
    },
    {
        "id": "/heatSources/info",
        "type": "systeminfo",
        "recordable": 0,
        "writeable": 0,
        "values": [
            {
                "Tok": "8",
                "Id": "1461",
                "Ver": "02",
                "No":
```

```
                "20333239302D3531392D3030303139342D37373336373030323139"
                    }
                ]
            },
            {
                "id": "/heatSources/actualPower",
                "type": "floatValue",
                "writeable": 0,
                "recordable": 1,
                "value": 5.3,
                "unitOfMeasure": "kW"
            },
            {
                "id": "/heatSources/actualCHPower",
                "type": "floatValue",
                "writeable": 0,
                "recordable": 1,
                "value": 5.3,
                "unitOfMeasure": "kW"
            },
            {
                "id": "/heatSources/actualDHWPower",
                "type": "floatValue",
                "writeable": 0,
                "recordable": 1,
                "value": 0.0,
                "unitOfMeasure": "kW"
            },
            {
                "id": "/heatSources/actualModulation",
                "type": "floatValue",
                "writeable": 0,
                "recordable": 0,
                "value": 21.0,
                "unitOfMeasure": "%"
            },
            {
                "id": "/heatSources/burnerModulationSetpoint",
                "type": "floatValue",
                "writeable": 0,
                "recordable": 0,
                "value": 100.0,
                "unitOfMeasure": "%"
            },
            {
                "id": "/heatSources/burnerPowerSetpoint",
                "type": "floatValue",
                "writeable": 0,
                "recordable": 0,
                "value": 25.0,
                "unitOfMeasure": "kW"
            },
            {
                "id": "/heatSources/flameStatus",
```

```json
        "type": "stringValue",
        "writeable": 0,
        "recordable": 0,
        "value": "on",
        "allowedValues": [
            "off",
            "on"
        ]
    },
    {
        "id": "/heatSources/CHpumpModulation",
        "type": "floatValue",
        "writeable": 0,
        "recordable": 0,
        "value": 48.0,
        "unitOfMeasure": "%"
    },
    {
        "id": "/heatSources/actualSupplyTemperature",
        "type": "floatValue",
        "writeable": 0,
        "recordable": 0,
        "value": 35.7,
        "unitOfMeasure": "C",
        "state": [
            {
                "open": -3276.8
            },
            {
                "short": 3276.7
            }
        ]
    },
    {
        "id": "/heatSources/powerSetpoint",
        "type": "floatValue",
        "writeable": 0,
        "recordable": 0,
        "value": 100.0,
        "unitOfMeasure": "%"
    },
    {
        "id": "/heatSources/gasAirPressure",
        "type": "floatValue",
        "writeable": 0,
        "recordable": 0,
        "value": 0.0,
        "unitOfMeasure": "Pascal"
    },
    {
        "id": "/heatSources/systemPressure",
        "type": "floatValue",
        "writeable": 0,
        "recordable": 0,
```

```json
        "value": 1.9,
        "unitOfMeasure": "bar",
        "state": [
            {
                "invalid": 25.5
            }
        ]
    },
    {
        "id": "/heatSources/ChimneySweeper",
        "type": "stringValue",
        "writeable": 0,
        "recordable": 0,
        "value": "off"
    },
    {
        "id": "/heatSources/returnTemperature",
        "type": "floatValue",
        "writeable": 0,
        "recordable": 0,
        "value": 29.9,
        "unitOfMeasure": "C",
        "state": [
            {
                "open": -3276.8
            },
            {
                "short": 3276.7
            }
        ]
    },
    {
        "id": "/heatSources/numberOfStarts",
        "type": "floatValue",
        "writeable": 0,
        "recordable": 0,
        "value": 136551,
        "unitOfMeasure": " "
    },
    {
        "id": "/heatSources/supplyTemperatureSetpoint",
        "type": "floatValue",
        "writeable": 0,
        "recordable": 0,
        "value": 33.0,
        "unitOfMeasure": "C"
    },
    {
        "id": "/heatSources/applianceSupplyTemperature",
        "type": "floatValue",
        "writeable": 0,
        "recordable": 0,
        "value": 34.9,
        "unitOfMeasure": "C",
```

```json
            "state": [
                {
                    "open": -3276.8
                },
                {
                    "short": 3276.7
                }
            ]
        },
        {
            "id": "/heatSources/nominalCHPower",
            "type": "floatValue",
            "writeable": 0,
            "recordable": 0,
            "value": 25.0,
            "unitOfMeasure": "kW"
        },
        {
            "id": "/heatSources/nominalDHWPower",
            "type": "floatValue",
            "writeable": 0,
            "recordable": 0,
            "value": 25.0,
            "unitOfMeasure": "kW"
        },
        {
            "id": "/heatSources/chimneyTemperature",
            "type": "floatValue",
            "writeable": 0,
            "recordable": 0,
            "value": -3276.8,
            "unitOfMeasure": "C",
            "state": [
                {
                    "open": -3276.8
                },
                {
                    "short": 3276.7
                }
            ]
        },
        {
            "id": "/heatSources/sensors",
            "type": "refEnum",
            "references": []
        },
        {
            "id": "/heatSources/workingTime",
            "type": "refEnum",
            "references": [
                {
                    "id": "/heatSources/workingTime/totalSystem",
                    "uri": "http://THERMOSTAT/heatSources/
workingTime/totalSystem"
```

```json
            },
            {
                "id": "/heatSources/workingTime/secondBurner",
                "uri": "http://THERMOSTAT/heatSources/
workingTime/secondBurner"
            },
            {
                "id": "/heatSources/workingTime/centralHeating",
                "uri": "http://THERMOSTAT/heatSources/
workingTime/centralHeating"
            }
        ]
    },
    {
        "id": "/heatSources/workingTime/totalSystem",
        "type": "floatValue",
        "writeable": 0,
        "recordable": 0,
        "value": 661846,
        "unitOfMeasure": "mins"
    },
    {
        "id": "/heatSources/workingTime/secondBurner",
        "type": "floatValue",
        "writeable": 0,
        "recordable": 0,
        "value": 0,
        "unitOfMeasure": "mins"
    },
    {
        "id": "/heatSources/workingTime/centralHeating",
        "type": "floatValue",
        "writeable": 0,
        "recordable": 0,
        "value": 636463,
        "unitOfMeasure": "mins"
    },
    {
        "id": "/heatSources/fuelCell",
        "type": "refEnum",
        "references": []
    },
    {
        "id": "/heatSources/energyMonitoring",
        "type": "refEnum",
        "references": [
            {
                "id": "/heatSources/energyMonitoring/
consumption",
                "uri": "http://THERMOSTAT/heatSources/
energyMonitoring/consumption"
            },
            {
                "id": "/heatSources/energyMonitoring/
```

```
correctionFactor",
                "uri": "http://THERMOSTAT/heatSources/
energyMonitoring/correctionFactor"
            },
            {
                "id": "/heatSources/energyMonitoring/
maxTankLevel",
                "uri": "http://THERMOSTAT/heatSources/
energyMonitoring/maxTankLevel"
            },
            {
                "id": "/heatSources/energyMonitoring/
minTankLevel",
                "uri": "http://THERMOSTAT/heatSources/
energyMonitoring/minTankLevel"
            },
            {
                "id": "/heatSources/energyMonitoring/tankLevel",
                "uri": "http://THERMOSTAT/heatSources/
energyMonitoring/tankLevel"
            },
            {
                "id": "/heatSources/energyMonitoring/
startDateTime",
                "uri": "http://THERMOSTAT/heatSources/
energyMonitoring/startDateTime"
            }
        ]
    },
    {
        "id": "/heatSources/energyMonitoring/consumption",
        "type": "floatValue",
        "writeable": 1,
        "recordable": 0,
        "value": 5266505.5,
        "unitOfMeasure": "kWh",
        "minValue": 0.0,
        "maxValue": 135780000.0
    },
    {
        "id": "/heatSources/energyMonitoring/correctionFactor",
        "type": "floatValue",
        "writeable": 1,
        "recordable": 0,
        "value": 1.0,
        "unitOfMeasure": " ",
        "minValue": 0.7,
        "maxValue": 1.3
    },
    {
        "id": "/heatSources/energyMonitoring/maxTankLevel",
        "type": "floatValue",
        "writeable": 1,
        "recordable": 0,
```

```
            "value": 0.0,
            "unitOfMeasure": "kWh",
            "minValue": 0.0,
            "maxValue": 135780000.0
        },
        {
            "id": "/heatSources/energyMonitoring/minTankLevel",
            "type": "floatValue",
            "writeable": 1,
            "recordable": 0,
            "value": 0.0,
            "unitOfMeasure": "kWh",
            "minValue": 0.0,
            "maxValue": 135780000.0
        },
        {
            "id": "/heatSources/energyMonitoring/tankLevel",
            "type": "floatValue",
            "writeable": 1,
            "recordable": 0,
            "value": 0.0,
            "unitOfMeasure": "kWh",
            "minValue": 0.0,
            "maxValue": 135780000.0
        },
        {
            "id": "/heatSources/energyMonitoring/startDateTime",
            "type": "stringValue",
            "writeable": 0,
            "recordable": 0,
            "value": "2020-12-24T16:37:30"
        },
        {
            "id": "/heatSources/hs1",
            "type": "refEnum",
            "references": [
                {
                    "id": "/heatSources/hs1/info",
                    "uri": "http://THERMOSTAT/heatSources/hs1/info"
                },
                {
                    "id": "/heatSources/hs1/type",
                    "uri": "http://THERMOSTAT/heatSources/hs1/type"
                },
                {
                    "id": "/heatSources/hs1/actualModulation",
                    "uri": "http://THERMOSTAT/heatSources/hs1/
actualModulation"
                },
                {
                    "id": "/heatSources/hs1/actualPower",
                    "uri": "http://THERMOSTAT/heatSources/hs1/
actualPower"
                },
```

```json
            {
                "id": "/heatSources/hs1/flameStatus",
                "uri": "http://THERMOSTAT/heatSources/hs1/
flameStatus"
            }
        ]
    },
    {
        "id": "/heatSources/hs1/info",
        "type": "systeminfo",
        "recordable": 0,
        "writeable": 0,
        "values": [
            {
                "Tok": "8",
                "Id": "1461",
                "Ver": "02",
                "No":
"20333239302D3531392D3030303139342D37373336373030323139"
            }
        ]
    },
    {
        "id": "/heatSources/hs1/type",
        "type": "stringValue",
        "writeable": 0,
        "recordable": 0,
        "value": "GasBoiler",
        "allowedValues": [
            "No_Appliance",
            "OilBoiler",
            "GasBoiler",
            "Heatpump",
            "unknownBoiler"
        ]
    },
    {
        "id": "/heatSources/hs1/actualModulation",
        "type": "floatValue",
        "writeable": 0,
        "recordable": 0,
        "value": 21.0,
        "unitOfMeasure": "%"
    },
    {
        "id": "/heatSources/hs1/actualPower",
        "type": "floatValue",
        "writeable": 0,
        "recordable": 1,
        "value": 5.25,
        "unitOfMeasure": "kW"
    },
    {
        "id": "/heatSources/hs1/flameStatus",
```

```json
            "type": "stringValue",
            "writeable": 0,
            "recordable": 0,
            "value": "on",
            "allowedValues": [
                "off",
                "on"
            ]
        },
        {
            "id": "/heatSources/ch",
            "type": "refEnum",
            "references": [
                {
                    "id": "/heatSources/ch/energyMonitoring",
                    "uri": "http://THERMOSTAT/heatSources/ch/
energyMonitoring"
                }
            ]
        },
        {
            "id": "/heatSources/ch/energyMonitoring",
            "type": "refEnum",
            "references": []
        },
        {
            "id": "/heatSources/dhw",
            "type": "refEnum",
            "references": [
                {
                    "id": "/heatSources/dhw/energyMonitoring",
                    "uri": "http://THERMOSTAT/heatSources/dhw/
energyMonitoring"
                }
            ]
        },
        {
            "id": "/heatSources/dhw/energyMonitoring",
            "type": "refEnum",
            "references": []
        },
        {
            "id": "/heatSources/pool",
            "type": "refEnum",
            "references": [
                {
                    "id": "/heatSources/pool/energyMonitoring",
                    "uri": "http://THERMOSTAT/heatSources/pool/
energyMonitoring"
                }
            ]
        },
        {
            "id": "/heatSources/pool/energyMonitoring",
```

```
                "type": "refEnum",
                "references": []
            },
            {
                "id": "/heatSources/total",
                "type": "refEnum",
                "references": [
                    {
                        "id": "/heatSources/total/energyMonitoring",
                        "uri": "http://THERMOSTAT/heatSources/total/
energyMonitoring"
                    }
                ]
            },
            {
                "id": "/heatSources/total/energyMonitoring",
                "type": "refEnum",
                "references": []
            },
            {
                "id": "/heatSources/electricGrid",
                "type": "refEnum",
                "references": []
            }
        ],
        [
            {
                "id": "/notifications",
                "type": "errorList",
                "recordable": 0,
                "writeable": 0,
                "values": []
            }
        ],
        [
            {
                "id": "/system",
                "type": "refEnum",
                "references": [
                    {
                        "id": "/system/brand",
                        "uri": "http://THERMOSTAT/system/brand"
                    },
                    {
                        "id": "/system/systemType",
                        "uri": "http://THERMOSTAT/system/systemType"
                    },
                    {
                        "id": "/system/bus",
                        "uri": "http://THERMOSTAT/system/bus"
                    },
                    {
                        "id": "/system/busReq",
                        "uri": "http://THERMOSTAT/system/busReq"
```

```
        },
        {
            "id": "/system/info",
            "uri": "http://THERMOSTAT/system/info"
        },
        {

            "id": "/system/minOutdoorTemp",
            "uri": "http://THERMOSTAT/system/minOutdoorTemp"
        },
        {

            "id": "/system/healthStatus",
            "uri": "http://THERMOSTAT/system/healthStatus"
        },
        {

            "id": "/system/sensors",
            "uri": "http://THERMOSTAT/system/sensors"
        },
        {

            "id": "/system/appliance",
            "uri": "http://THERMOSTAT/system/appliance"
        },
        {

            "id": "/system/holidayModes",
            "uri": "http://THERMOSTAT/system/holidayModes"
        }
    ]
},
{
    "id": "/system/brand",
    "type": "stringValue",
    "writeable": 0,
    "recordable": 0,
    "value": "unknown",
    "allowedValues": [
        "unknown",
        "Bosch",
        "Junkers",
        "Buderus",
        "Nefit",
        "Sieger",
        "Tata",
        "Dakon",
        "Elm",
        "Boulter",
        "Vulcano",
        "Worcester",
        "British Gas",
        "IVT",
        "Geminox",
        "Neckar",
        "Zeus",
        "Milton"
    ]
},
```

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{
    "id": "/system/systemType",
    "type": "stringValue",
    "writeable": 0,
    "recordable": 0,
    "value": "NSC_ICOM_GATEWAY",
    "allowedValues": [
        "NSC_ICOM_GATEWAY"
    ]
},
{
    "id": "/system/bus",
    "type": "stringValue",
    "writeable": 0,
    "recordable": 0,
    "value": "EMS2_0",
    "allowedValues": [
        "No_Bus",
        "EMS1_0",
        "EMS2_0",
        "CAN"
    ]
},
{
    "id": "/system/info",
    "type": "systeminfo",
    "recordable": 0,
    "writeable": 0,
    "values": [
        {
            "Tok": "8",
            "Id": "115",
            "Ver": "05.09",
            "No":
"38373337393338353541303231353035313230373030303030303030"
        },
        {
            "Tok": "16",
            "Id": "158",
            "Ver": "NF11.07",
            "No":
"3235333035313939333532323337373338313130303731 00FFFFFF"
        },
        {
            "Tok": "32",
            "Id": "159",
            "Ver": "NF20.03",
            "No":
"3235333035313836343033353838373338383031313435FF000601"
        },
        {
            "Tok": "9",
            "Id": "68",
            "Ver": "NF02.03",
```

```json
                    "No": ""
                }
            ]
        },
        {
            "id": "/system/minOutdoorTemp",
            "type": "floatValue",
            "writeable": 1,
            "recordable": 0,
            "value": -20.0,
            "unitOfMeasure": "C",
            "minValue": -35.0,
            "maxValue": 10.0
        },
        {
            "id": "/system/healthStatus",
            "type": "stringValue",
            "writeable": 0,
            "recordable": 0,
            "value": "ok",
            "allowedValues": [
                "error",
                "maintenance",
                "ok"
            ]
        },
        {
            "id": "/system/sensors",
            "type": "refEnum",
            "references": [
                {
                    "id": "/system/sensors/temperatures",
                    "uri": "http://THERMOSTAT/system/sensors/
temperatures"
                }
            ]
        },
        {
            "id": "/system/sensors/temperatures",
            "type": "refEnum",
            "references": [
                {
                    "id": "/system/sensors/temperatures/outdoor_t1",
                    "uri": "http://THERMOSTAT/system/sensors/
temperatures/outdoor_t1"
                },
                {
                    "id": "/system/sensors/temperatures/
supply_t1_setpoint",
                    "uri": "http://THERMOSTAT/system/sensors/
temperatures/supply_t1_setpoint"
                },
                {
                    "id": "/system/sensors/temperatures/supply_t1",
```

```
                        "uri": "http://THERMOSTAT/system/sensors/
temperatures/supply_t1"
                    },
                    {
                        "id": "/system/sensors/temperatures/
hotWater_t2",
                        "uri": "http://THERMOSTAT/system/sensors/
temperatures/hotWater_t2"
                    },
                    {
                        "id": "/system/sensors/temperatures/return",
                        "uri": "http://THERMOSTAT/system/sensors/
temperatures/return"
                    },
                    {
                        "id": "/system/sensors/temperatures/switch",
                        "uri": "http://THERMOSTAT/system/sensors/
temperatures/switch"
                    },
                    {
                        "id": "/system/sensors/temperatures/chimney",
                        "uri": "http://THERMOSTAT/system/sensors/
temperatures/chimney"
                    }
                ]
        },
        {
            "id": "/system/sensors/temperatures/outdoor_t1",
            "type": "floatValue",
            "writeable": 0,
            "recordable": 1,
            "value": 2.8,
            "unitOfMeasure": "C",
            "state": [
                {
                    "open": -3276.8
                },
                {
                    "short": 3276.7
                }
            ]
        },
        {
            "id": "/system/sensors/temperatures/supply_t1_setpoint",
            "type": "floatValue",
            "writeable": 0,
            "recordable": 0,
            "value": 33.0,
            "unitOfMeasure": "C"
        },
        {
            "id": "/system/sensors/temperatures/supply_t1",
            "type": "floatValue",
            "writeable": 0,
```

```json
        "recordable": 0,
        "value": 34.7,
        "unitOfMeasure": "C",
        "state": [
            {
                "open": -3276.8
            },
            {
                "short": 3276.7
            }
        ]
    },
    {
        "id": "/system/sensors/temperatures/hotWater_t2",
        "type": "floatValue",
        "writeable": 0,
        "recordable": 0,
        "value": 47.3,
        "unitOfMeasure": "C",
        "state": [
            {
                "open": -3276.8
            },
            {
                "short": 3276.7
            }
        ]
    },
    {
        "id": "/system/sensors/temperatures/return",
        "type": "floatValue",
        "writeable": 0,
        "recordable": 0,
        "value": 29.9,
        "unitOfMeasure": "C",
        "state": [
            {
                "open": -3276.8
            },
            {
                "short": 3276.7
            }
        ]
    },
    {
        "id": "/system/sensors/temperatures/switch",
        "type": "floatValue",
        "writeable": 0,
        "recordable": 0,
        "value": 30.6,
        "unitOfMeasure": "C",
        "state": [
            {
                "open": -3276.8
```

```json
        },
        {
            "short": 3276.7
        }
    ]
},
{
    "id": "/system/sensors/temperatures/chimney",
    "type": "floatValue",
    "writeable": 0,
    "recordable": 0,
    "value": -3276.8,
    "unitOfMeasure": "C",
    "state": [
        {
            "open": -3276.8
        },
        {
            "short": 3276.7
        }
    ]
},
{
    "id": "/system/appliance",
    "type": "refEnum",
    "references": [
        {
            "id": "/system/appliance/
actualSupplyTemperature",
            "uri": "http://THERMOSTAT/system/appliance/
actualSupplyTemperature"
        }
    ]
},
{
    "id": "/system/appliance/actualSupplyTemperature",
    "type": "floatValue",
    "writeable": 0,
    "recordable": 0,
    "value": 34.7,
    "unitOfMeasure": "C",
    "state": [
        {
            "open": -3276.8
        },
        {
            "short": 3276.7
        }
    ]
},
{
    "id": "/system/holidayModes",
    "type": "refEnum",
    "references": [
```

```
                {
                    "id": "/system/holidayModes/hm1",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm1"
                },
                {
                    "id": "/system/holidayModes/hm2",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm2"
                },
                {
                    "id": "/system/holidayModes/hm3",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm3"
                },
                {
                    "id": "/system/holidayModes/hm4",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm4"
                },
                {
                    "id": "/system/holidayModes/hm5",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm5"
                }
            ]
        },
        {
            "id": "/system/holidayModes/hm1",
            "type": "refEnum",
            "references": [
                {
                    "id": "/system/holidayModes/hm1/startStop",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm1/startStop"
                },
                {
                    "id": "/system/holidayModes/hm1/assignedTo",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm1/assignedTo"
                },
                {
                    "id": "/system/holidayModes/hm1/hcMode",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm1/hcMode"
                },
                {
                    "id": "/system/holidayModes/hm1/dhwMode",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm1/dhwMode"
                },
                {
                    "id": "/system/holidayModes/hm1/delete",
                    "uri": "http://THERMOSTAT/system/holidayModes/
```

```
hm1/delete"
                }
            ]
        },
        {
            "id": "/system/holidayModes/hm1/startStop",
            "type": "stringValue",
            "writeable": 1,
            "recordable": 0,
            "value": "2016-12-24/2017-01-04"
        },
        {
            "id": "/system/holidayModes/hm1/assignedTo",
            "type": "arrayData",
            "writeable": 1,
            "recordable": 0,
            "values": [],
            "allowedValues": [
                "hc1",
                "hc2",
                "hc3",
                "hc4",
                "dhw1",
                "dhw2"
            ]
        },
        {
            "id": "/system/holidayModes/hm1/hcMode",
            "type": "stringValue",
            "writeable": 1,
            "recordable": 0,
            "value": "ECO",
            "allowedValues": [
                "AUTO_SAT",
                "FIX_TEMP",
                "OFF",
                "ECO"
            ]
        },
        {
            "id": "/system/holidayModes/hm1/dhwMode",
            "type": "stringValue",
            "writeable": 1,
            "recordable": 0,
            "value": "OFF",
            "allowedValues": [
                "OFF",
                "TD_OFF"
            ]
        },
        {
            "id": "/system/holidayModes/hm2",
            "type": "refEnum",
            "references": [
```

```json
                {
                    "id": "/system/holidayModes/hm2/startStop",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm2/startStop"
                },
                {
                    "id": "/system/holidayModes/hm2/assignedTo",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm2/assignedTo"
                },
                {
                    "id": "/system/holidayModes/hm2/hcMode",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm2/hcMode"
                },
                {
                    "id": "/system/holidayModes/hm2/dhwMode",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm2/dhwMode"
                },
                {
                    "id": "/system/holidayModes/hm2/delete",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm2/delete"
                }
            ]
        },
        {
            "id": "/system/holidayModes/hm2/startStop",
            "type": "stringValue",
            "writeable": 1,
            "recordable": 0,
            "value": "2009-01-01/2009-01-01"
        },
        {
            "id": "/system/holidayModes/hm2/assignedTo",
            "type": "arrayData",
            "writeable": 1,
            "recordable": 0,
            "values": [],
            "allowedValues": [
                "hc1",
                "hc2",
                "hc3",
                "hc4",
                "dhw1",
                "dhw2"
            ]
        },
        {
            "id": "/system/holidayModes/hm2/hcMode",
            "type": "stringValue",
            "writeable": 1,
            "recordable": 0,
```

```
            "value": "ECO",
            "allowedValues": [
                "AUTO_SAT",
                "FIX_TEMP",
                "OFF",
                "ECO"
            ]
        },
        {
            "id": "/system/holidayModes/hm2/dhwMode",
            "type": "stringValue",
            "writeable": 1,
            "recordable": 0,
            "value": "OFF",
            "allowedValues": [
                "OFF",
                "TD_OFF"
            ]
        },
        {
            "id": "/system/holidayModes/hm3",
            "type": "refEnum",
            "references": [
                {
                    "id": "/system/holidayModes/hm3/startStop",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm3/startStop"
                },
                {
                    "id": "/system/holidayModes/hm3/assignedTo",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm3/assignedTo"
                },
                {
                    "id": "/system/holidayModes/hm3/hcMode",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm3/hcMode"
                },
                {
                    "id": "/system/holidayModes/hm3/dhwMode",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm3/dhwMode"
                },
                {
                    "id": "/system/holidayModes/hm3/delete",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm3/delete"
                }
            ]
        },
        {
            "id": "/system/holidayModes/hm3/startStop",
            "type": "stringValue",
            "writeable": 1,
```

```
            "recordable": 0,
            "value": "2009-01-01/2009-01-01"
        },
        {
            "id": "/system/holidayModes/hm3/assignedTo",
            "type": "arrayData",
            "writeable": 1,
            "recordable": 0,
            "values": [],
            "allowedValues": [
                "hc1",
                "hc2",
                "hc3",
                "hc4",
                "dhw1",
                "dhw2"
            ]
        },
        {
            "id": "/system/holidayModes/hm3/hcMode",
            "type": "stringValue",
            "writeable": 1,
            "recordable": 0,
            "value": "ECO",
            "allowedValues": [
                "AUTO_SAT",
                "FIX_TEMP",
                "OFF",
                "ECO"
            ]
        },
        {
            "id": "/system/holidayModes/hm3/dhwMode",
            "type": "stringValue",
            "writeable": 1,
            "recordable": 0,
            "value": "OFF",
            "allowedValues": [
                "OFF",
                "TD_OFF"
            ]
        },
        {
            "id": "/system/holidayModes/hm4",
            "type": "refEnum",
            "references": [
                {
                    "id": "/system/holidayModes/hm4/startStop",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm4/startStop"
                },
                {
                    "id": "/system/holidayModes/hm4/assignedTo",
                    "uri": "http://THERMOSTAT/system/holidayModes/
```

```
hm4/assignedTo"
            },
            {
                "id": "/system/holidayModes/hm4/hcMode",
                "uri": "http://THERMOSTAT/system/holidayModes/
hm4/hcMode"
            },
            {
                "id": "/system/holidayModes/hm4/dhwMode",
                "uri": "http://THERMOSTAT/system/holidayModes/
hm4/dhwMode"
            },
            {
                "id": "/system/holidayModes/hm4/delete",
                "uri": "http://THERMOSTAT/system/holidayModes/
hm4/delete"
            }
        ]
    },
    {
        "id": "/system/holidayModes/hm4/startStop",
        "type": "stringValue",
        "writeable": 1,
        "recordable": 0,
        "value": "2009-01-01/2009-01-01"
    },
    {
        "id": "/system/holidayModes/hm4/assignedTo",
        "type": "arrayData",
        "writeable": 1,
        "recordable": 0,
        "values": [],
        "allowedValues": [
            "hc1",
            "hc2",
            "hc3",
            "hc4",
            "dhw1",
            "dhw2"
        ]
    },
    {
        "id": "/system/holidayModes/hm4/hcMode",
        "type": "stringValue",
        "writeable": 1,
        "recordable": 0,
        "value": "ECO",
        "allowedValues": [
            "AUTO_SAT",
            "FIX_TEMP",
            "OFF",
            "ECO"
        ]
    },
```

```json
        {
            "id": "/system/holidayModes/hm4/dhwMode",
            "type": "stringValue",
            "writeable": 1,
            "recordable": 0,
            "value": "OFF",
            "allowedValues": [
                "OFF",
                "TD_OFF"
            ]
        },
        {
            "id": "/system/holidayModes/hm5",
            "type": "refEnum",
            "references": [
                {
                    "id": "/system/holidayModes/hm5/startStop",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm5/startStop"
                },
                {
                    "id": "/system/holidayModes/hm5/assignedTo",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm5/assignedTo"
                },
                {
                    "id": "/system/holidayModes/hm5/hcMode",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm5/hcMode"
                },
                {
                    "id": "/system/holidayModes/hm5/dhwMode",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm5/dhwMode"
                },
                {
                    "id": "/system/holidayModes/hm5/delete",
                    "uri": "http://THERMOSTAT/system/holidayModes/
hm5/delete"
                }
            ]
        },
        {
            "id": "/system/holidayModes/hm5/startStop",
            "type": "stringValue",
            "writeable": 1,
            "recordable": 0,
            "value": "2009-01-01/2009-01-01"
        },
        {
            "id": "/system/holidayModes/hm5/assignedTo",
            "type": "arrayData",
            "writeable": 1,
            "recordable": 0,
```

```json
            "values": [],
            "allowedValues": [
                "hc1",
                "hc2",
                "hc3",
                "hc4",
                "dhw1",
                "dhw2"
            ]
        },
        {
            "id": "/system/holidayModes/hm5/hcMode",
            "type": "stringValue",
            "writeable": 1,
            "recordable": 0,
            "value": "ECO",
            "allowedValues": [
                "AUTO_SAT",
                "FIX_TEMP",
                "OFF",
                "ECO"
            ]
        },
        {
            "id": "/system/holidayModes/hm5/dhwMode",
            "type": "stringValue",
            "writeable": 1,
            "recordable": 0,
            "value": "OFF",
            "allowedValues": [
                "OFF",
                "TD_OFF"
            ]
        }
    ],
    [
        {
            "id": "/solarCircuits",
            "type": "refEnum",
            "references": []
        }
    ]
]
```