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| CHANGE REQUEST |
| Meeting ID:\* | RDM 52 |
| Source:\* | Bob Flynn (Exacta GSS); bob.flynn@exactagss.com |
| Date:\* | 3 Dec 2021 |
| Reason for Change/s:\* | Issues identified in TDE  |
| CR against: Release\* | Rel-5 |
| CR against: WI\* | [ ]  Active <Work Item number> [x]  MNT maintenance / < Work Item number(optional)>Is this a mirror CR? Yes [ ]  No [ ] mirror CR number: (Note to Rapporteur - use latest agreed revision)[ ]  STE Small Technical Enhancements / < Work Item number (optional)>Only ONE of the above shall be ticked |
| CR against: TS/TR\* | TS-0023 v5.0.0 |
| Clauses \* |  |
| Type of change: \* | [ ]  Editorial change[ ]  Bug Fix or Correction[x]  Change to existing feature or functionality[ ]  New feature or functionalityOnly ONE of the above shall be ticked |
| Other TS/TR(s) impacted | None |
| Post Freeze checking:\* | This CR contains only essential changes and corrections? YES [x]  NO [ ] This CR may break backwards compatibility with the last approved version of the TS? YES [ ]  NO [ ]  |
| Template Version: January 2019 (do not modify) |

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# Introduction

This is a mirror to changes agreed in R4 based RDM-2021-0081R01. Please refer to RDM-2021-0081R01 for description.

### -----------------------Start of change 1-------------------------------------------

## audioVolume

This ModuleClass provides capabilities to control and monitor volume

Table 5.3.1.8-1: Actions of audioVolume

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Return Type | Name | Argument | Optional | Documentation |
| none | upVolume | none | true | Increase the volume by the amount of the stepValue up to the maxValue. |
| none | downVolume | none | true | Decrease the volume by the amount of the stepValue down to 0. |
| none | mute | None | true | Set the volume to 0. |

Table 5.3.1.8-2: DataPoints of audioVolume

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | R/W | Optional | Unit | Documentation |
| volumePercentage | xs:integer | RW | false |  | The rounded percentage of the current volume in the range of [0, maxValue]. 0 percentage shall mean no sound produced. |
| stepValue | xs:integer | R | true |  | Step value used by the “UpVolume” and “DownVolume” actions. |
| maxValue | xs:integer | R | true |  | Maximum value allowed for Volume. maxValue is 100 by default if “maxValue” is not provided. |
| muteEnabled | xs:boolean | RW | false |  | The current status of the mute enablement. "True" indicates enabled (that is, no sound), and "False" indicates not enabled (that is, sound is played). |

### -----------------------End of change 1-------------------------------------------

### -----------------------Start of change 2-------------------------------------------

##  deviceHumidifier

A humidifier is a device that is used to monitor or control the state of a humidifying appliance.

Table 5.5.4.16-1: Modules of deviceHumidifier Device model

|  |  |  |  |
| --- | --- | --- | --- |
| Module Instance Name | Module Class Name | Multiplicity | Description |
| binarySwitch | binarySwitch | 1 | See clause 5.3.1.12. |

### -----------------------End of change 2-------------------------------------------

### -----------------------Start of change 3-------------------------------------------

#### smokeSensor

This ModuleClass provides the capabilities to indicate the detection of smoke and raising an alarm if the triggering criterion is met.

Table 5.3.1.82-1: Actions of smokeSensor ModuleClass

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Return Type | Name | Argument | Optional | Documentation |
| none | mute | none | true | Mute the smoke sensor alarm. |
| none | test | none | true | Testing the alarm |

Table 5.3.1.82-2: DataPoints of smokeSensor ModuleClass

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | R-W | Optional | Unit | Documentation |
| alarm | xs:boolean | R | false |  | The alarm is indicated as follows:“True” indicates that smoke has been detected, “False” indicates a normal status, that means that smoke is not detected. |
| detectedTime | m2m:timestamp | RW | true |  | The date and time the smoke is detected. |
| smokeThreshhold | xs:integer | RW | true | ppm | The threshhold to trigger the alarm.  |
| currentValue | xs:integer | R | true |  | The current data value of the smoke sensor. |
| sensorFault | xs:boolean | R | true |  | “True” indicates the sensor fault status of smoke sensor. “False” indicates the sensor fault of smoke sensor has beenis eliminated. |
| lowVoltage | xs:boolean | R | true |  | “True” indicates the low voltage status of smoke sensor. “False” indicates the low voltage alarm of smoke sensor has beenis eliminated. |
| dismantled | xs:boolean | R | true |  | “True” indicates the smoke sensor is dismantled. “False” indicates the dismantled alarm of smoke sensor has beenis eliminated. |
| powerOn | xs:boolean | R | true |  | “True” indicates the smoke sensor is powered on. “False” is invalid. |

### -----------------------End of change 3-------------------------------------------