Alpha 2 - XML Interface Description

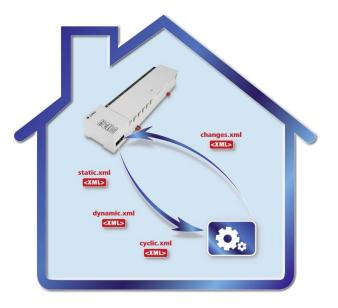


The XML interface (API) serves for granting a simple and standardised access to the Alpha 2 System functionality to third party systems. The XML interface is able to query the complete status of the Alpha 2. On the other hand, all entries or changes can be sent to the base in form of commands. Data exchange is exclusively in XML format.

Status data

The base status can be queried by means of 3 XML files: static.xml, dynamic.xml, and cyclic.xml. These three files only differ in information density. The file static.xml includes all data, and the information content decreases gradually for dynamic.xml and cyclic.xml. One XML file each is given in the appendix. All

further explanations and examples are based on these data.



Addressing

The URL of these three files is: http://<IP>/data/static.xml, http://<IP>/data/dynamic.xml, http://<IP>/data/cyclic.xml, respectively. For this, <IP> must be exchanged for the corresponding IP address or DNS name of the base.

Data model

The data within the XML files are principally self-explaining. For example, the actual temperature in heating zone 1 is defined by the following element path:

The element structure will be kept in future versions. However new elements may be added. Therefore, XML commands of the corresponding programming language (e. g. X-Path), aligned to the XML structure, should be used always for the query of XML data. Methods as e. g. searching for characters by means of text operations should not be used, in order to be able to use the interface for the long term. All element names are written in capital letters except for <Device><Device>>. This is important because XML is strictly case-sensitive.

Sending commands to the base

Commands are always sent to the base in form of an XML file. The XML command is sent to the URL: http://<IP>/data/changes.xml via http post. The content of the file changes.xml is always the corresponding section from the file static.xml. All settings which can be changed via the integrated web front-end (http://<IP>), are also a component of the command set of the XML interface.

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General command structure

The basic structure of each command is as outlined below. It always requires the unique ID of the base; this can be read out of the previously downloaded file static.xml.

The answer to the command is also an XML file with a corresponding answer code.

After sending a command a maximum of 10 minutes can elapse until the changes are updated in the room control unit. The room control unit calls back to the base once every 10 minutes and queries the new status; only then will the new settings be transferred to the room control unit. The cause for this behaviour is the intention to save battery lifetime in the room control devices.

Subsequently some examples are listed for a more detailed description.

Example: Change of target temperature

Attention: Rooms with analogous room control unit aren't able to edit via web. The analogous room controler has IODEVICE_TYPE = 1 or 3 (<IODEVICE_TYPE>1</IODEVICE_TYPE> or <IODEVICE_TYPE>3</IODEVICE_TYPE>)

Example: Set date and time

Example: Activate lifestyle mode "Auto"

With <HEATAREA_MODE> 0=Auto-; 1=Day-; 2=Nightmode

Example: Switch heating / cooling

Mode CO Pilot must be activ

Example: Activate CO Pilot

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```
</Device>
```

Example: Set vacation time

Example: Set child safety lock

The behaviour of the child safety lock is transferred in this example. The parameters used here are included in the Alpha 2 documentation.

<LOCK_AVAILABLE> or parameter 030, to be changed by the installer in Service level. This parameter sets whether a code is queried during the unlocking of the room control unit, or whether the room control unit becomes operable again only by a long press in protected mode (LOCK_AVAILABLE = 1 means: only to be unlocked with code)

<LOCK_CODE> or parameter 031, to be changed by the installer in Service level. This parameter specifies the code.

<ISLOCKED> however is not a parameter; instead it must be activated in the lifestyle functions menu.
Here the user can select whether the operating lock shall be active or not. The two upper parameters set whether deactivation requires a password or not. (ISLOCKED = 1 means: operating lock active)

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Relation between HEATAREA / HEATCTRL / IODEVICE

The static.xml uses three functional units:

- Heatarea = logical heatzone
- Heatctrl = physical port, where the actuators are connected to
- lodevice = Roomcontroler who is paired to the heatzone

It is possible to connect one roomcontroler / heatzone to multiple physical ports. The relation between this elements in the static.xml is the tag HEATAREA. HEATAREA and IODEVICE Tags are in the quantity of the connected roomcontroller. The HEATCTRL element is fixed to 12 elements, because the maximum quantity of ports of Alpha 2 is 12. The relation is figured out in this example:

```
-> <HEATAREA nr="1">
     <HEATAREA NAME>Kitchen/HEATAREA NAME>
     <HEATAREA_MODE>0/HEATAREA_MODE>
     <T_ACTUAL>21.6</T_ACTUAL>
   </HEATAREA>
   <HEATCTRL nr="1">
     <TNUSE>1</TNUSE>
   <HEATAREA NR>1/HEATAREA NR>
     <ACTOR>0</ACTOR>
     <HEATCTRL STATE>0/HEATCTRL STATE>
   </HEATCTRL>
   <IODEVICE nr="1">
      <IODEVICE_TYPE>0</IODEVICE_TYPE>
     <IODEVICE_ID>1</IODEVICE_ID>
     <IODEVICE VERS HW>1</IODEVICE VERS HW>
     <IODEVICE VERS SW>01.30</IODEVICE_VERS_SW>
-> <heatarea nr>1</heatarea nr>
     <SIGNALSTRENGTH>2</SIGNALSTRENGTH>
     <BATTERY>2</BATTERY>
     <IODEVICE_STATE>0</IODEVICE_STATE>
     <IODEVICE_COMERROR>0</IODEVICE_COMERROR>
      <ISON>1</ISON>
   </IODEVICE>
```

Virtual Rooms

Virtual rooms were conceived for using the sensor system of a third-party installation. In this case the standard room control units are not used. Instead, new (virtual) rooms can be created and configured in the Alpha 2. Thus, via XML interface it is possible to transfer various conditions as e. g. target and actual temperature, to a virtual room. Please take care to use the virtual rooms with a software version approved for this, see below.

Create Virtual Room / Create XML Device

The command corresponds to the pairing of a real room control unit to a heating zone. A heating zone is selected there with the rm bus key, and acknowledged at the room control unit. The parameter of the heating zone will be transferred to the command CMD_CREATE_XMLDEVICE on XML Basis. In this example, heating zone 3 is assigned to the virtual room. It would also be possible to transfer several parameters with CMD_CREATE_XMLDEVICE:2,3,4; this would assign the heating zones 2,3,4 to the virtual room control unit. After a reload, the new room control unit is immediately displayed on the integrated web surface.

Example: a new virtual room is created with the heating zone 3 assigned to it. For virtual rooms, the transfer of the element <ID> can be omitted.

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Adding further heating zones to a virtual room / Connect XML Device

A further heating zone can be assigned to the room, if it has not already been defined during the creation process. Initially, the value of <Devices><Device><IODEVICE nr="x">><IODEVICE_ID> must be transferred as transfer parameter. For this, <IODEVICE_ID> is the unique ID of the virtual room which was allocated automatically. This is followed by all heating zones to be connected to the device. Caution: Heating zones which have already been paired, must be transferred here, too. Hint: The virtual rooms are always of the type <IODEVICE_TYPE>8</IODEVICE_TYPE>

Example: The device with the <IODEVICE_ID> = 4 is paired to the heating zone 2 and 3. If this device was paired to heating zone 1 previously, this connection would be deleted.

Deleting a virtual room / Delete XML Device

Deletes the virtual room control unit from the system. All connections are eliminated. Only the <IODEVICE_ID> is necessary as transfer parameter. All heating zones connected to this room control unit are deleted, too.

Example: The device with the <IODEVICE_ID> = 4 is deleted.

Hint: In order to delete a real room control unit, it can be overpaired with a virtual room control unit, and the virtual device is deleted in the next step.

Transferring the actual temperature to the virtual room

Example: Sets the actual temperature of a virtual room to 20.6 °C.

Note on virtual rooms

For real room control units, the base uses an emergency program if the room control unit does not send a message after a defined time. The same is applied for virtual rooms. Thus, the third-party installation has the task to send current actual temperatures etc. to the base. The time span should not exceed 10 minutes.

Validity

The XML interface is implemented and ready to operate as of software versions:

SW: 01.60Lan: 01.50Web: 01.21

Virtual rooms valid from software version:

SW: 02.02

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Lan: 02.02Web: 02.02

Appendix

Static.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<Devices>
 <Device>
    <ID>EZR010A49</ID>
    <TYPE>EZRCTRL1</TYPE>
    <NAME>EZR010A49</NAME>
    <ORIGIN>EZR010A49
    <ERRORCOUNT>0</ERRORCOUNT>
    <DATETIME>2015-07-08T11:12:53
    <DAYOFWEEK>3/DAYOFWEEK>
    <TIMEZONE>1</TIMEZONE>
    <NTPTIMESYNC>1</NTPTIMESYNC>
    <VERS_SW_STM>86.19</VERS SW STM>
    <VERS SW ETH>71.40</vers SW ETH>
    <VERS HW>01</VERS HW>
    <TEMPERATUREUNIT>0</TEMPERATUREUNIT>
    <SUMMERWINTER>1
    <TPS>0</TPS>
    <LIMITER>0</LIMITER>
    <MASTERID>MASTERID
    <CHANGEOVER>0</CHANGEOVER>
    <COOLING>0</COOLING>
    <MODE>0</MODE>
    <OPERATIONMODE ACTOR>0</OPERATIONMODE ACTOR>
    <ANTIFREEZE>1/ANTIFREEZE>
    <ANTIFREEZE TEMP>8.0</ANTIFREEZE TEMP>
    <FIRSTOPEN TIME>10/FIRSTOPEN TIME>
    <SMARTSTART>0</sMARTSTART>
    <ECO DIFF>2.0</ECO DIFF>
   <ECO_INPUTMODE>0</ECO_INPUTMODE>
<ECO_INPUT_STATE>0</ECO_INPUT_STATE>
    <T HEAT VACATION>16.0</T HEAT VACATION>
    <VACATION>
      <VACATION STATE>0</VACATION STATE>
      <START_DATE>2015-00-00</START_DATE>
<START_TIME>12:00:00</START_TIME>
      <END DATE>2015-00-00/END DATE>
      <END TIME>12:00:00</END TIME>
    </VACATION>
    <NETWORK>
      <MAC>38:DE:60:01:1F:DE</mac>
      <DHCP>1</DHCP>
      <!PV6ACTIVE>0</!PV6ACTIVE>
      <!PV4ACTUAL>192.168.6.161
      <IPV4SET>192.168.100.100</IPV4SET>
      <IPV6ACTUAL></IPV6ACTUAL>
      <IPV6SET></IPV6SET>
      <NETMASKACTUAL>255.255.248.0/NETMASKACTUAL>
      <NETMASKSET>255.255.248.0/NETMASKSET>
      <DNS>192.168.3.125
      <GATEWAY>192.168.3.4/GATEWAY>
    </NETWORK>
    <CLOUD>
      <USERID></USERID>
      <PASSWORD></PASSWORD>
      <M2MSERVERPORT>55555</M2MSERVERPORT>
      <M2MLOCALPORT>54062</M2MLOCALPORT>
      <M2MHTTPPORT>54062</M2MHTTPPORT>
      <M2MHTTPSPORT>58157</M2MHTTPSPORT>
      <M2MSERVERADDRESS>www.ezr-cloud1.de/M2MSERVERADDRESS>
      <M2MACTIVE>0</M2MACTIVE>
      <M2MSTATE>Offline</M2MSTATE>
    </CLOUD>
    <KWLCTRL>
      <KWL CONTROL VISIBLE>0</kWL CONTROL_VISIBLE>
      <KWL PRESENT>0</kWL PRESENT>
      <KWL CONNECTION>0</kWL CONNECTION>
      <KWL URL>---</KWL URL>
```

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```
<KWL PORT>7777</KWL PORT>
   <KWL STATUS>0</KWL STATUS>
    <KWL FLOWCTRL>0</KWL FLOWCTRL>
</KWLCTRL>
<CODE>
   <EXPERT>455A526CCD9936D0</EXPERT>
</CODE>
<PROGRAM>
   <SHIFT PROGRAM nr="1" shiftingtime="1">
       <START>05:30</START>
        <END>21:00</END>
   </SHIFT PROGRAM>
   <SHIFT_PROGRAM nr="2" shiftingtime="1">
       <START>04:30</START>
       <END>08:30</END>
    </SHIFT PROGRAM>
   <SHIFT PROGRAM nr="2" shiftingtime="2">
       <START>17:30</START>
       <END>21:30</END>
    </SHIFT PROGRAM>
   <SHIFT PROGRAM nr="3" shiftingtime="1">
       <START>06:30</START>
       <END>10:00</END>
    </SHIFT PROGRAM>
   <SHIFT PROGRAM nr="3" shiftingtime="2">
       <START>18:00</START>
       <END>22:30</END>
   </SHIFT PROGRAM>
    <SHIFT PROGRAM nr="4" shiftingtime="1">
       <START>07:30</START>
       <END>17:30</END>
    </SHIFT PROGRAM>
</PROGRAM>
<PUMP OUTPUT>
   <LOCALGLOBAL>0</LOCALGLOBAL>
   <PUMP_OUTPUT_TYPE>O</PUMP_OUTPUT_TYPE>
   <pump LEADTIME>2</pump LEADTIME>
   <pump stoppingtime>2</pump stoppingtime>
   <PUMP OPERATIONMODE>0</pump_OPERATIONMODE>
   <MINRUNTIME>30</minrunTime>
   <MINSTANDSTILL>20</MINSTANDSTILL>
</PUMP OUTPUT>
<RELATS>
    <FUNCTION>0</FUNCTION>
   <RELAIS LEADTIME>0</RELAIS LEADTIME>
   <RELAIS STOPPINGTIME>0</RELAIS STOPPINGTIME>
    <RELAIS OPERATIONMODE>0</relais OPERATIONMODE>
</RELATS>
<CHANGEOVER FUNC>
    <CHANGEOVER FUNC MODE>0</CHANGEOVER FUNC MODE>
</CHANGEOVER FUNC>
<EMERGENCYMODE>
   <EMERGENCYMODE TIME>180/EMERGENCYMODE_TIME>
   <PWMCYCLE>15</PWMCYCLE>
   <PWMHEAT>25</PWMHEAT>
   <PWMCOOL>0</PWMCOOL>
</EMERGENCYMODE>
<VALVEPROTECT>
    <VALVEPROTECT TIME>14</VALVEPROTECT TIME>
    <DURATION>5/DURATION>
</VALVEPROTECT>
<PUMPPROTECT>
    <PUMPPROTECT TIME>3</pumpPROTECT TIME>
    <DURATION>5
</PUMPPROTECT>
<heather and the control of the cont
   <HEATAREA NAME>1Kitchen/HEATAREA NAME>
    <HEATAREA MODE>1/HEATAREA MODE>
   <T ACTUAL>22.6</T ACTUAL>
   <T_ACTUAL_EXT>22.6</T_ACTUAL_EXT>
   <T TARGET>28.0</T TARGET>
   <T TARGET BASE>28.0</T TARGET BASE>
   <HEATAREA STATE>0/HEATAREA STATE>
   <PROGRAM SOURCE>0
   <PROGRAM WEEK>2/PROGRAM WEEK>
    <PARTY>0</PARTY>
   <PARTY REMAININGTIME>0</party_REMAININGTIME>
    <T_TARGET_MIN>5.0</T_TARGET_MIN>
    <T TARGET MAX>30.0</T TARGET MAX>
   <RPM MOTOR>0</RPM MOTOR>
```

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```
<OFFSET>0.0</OFFSET>
 <T HEAT DAY>21.0</T HEAT DAY>
  <T HEAT NIGHT>19.0</T HEAT NIGHT>
 <T_COOL_DAY>21.0</T_COOL_DAY>
<T_COOL_NIGHT>23.0</T_COOL_NIGHT>
  <T FLOOR DAY>3.0</T FLOOR DAY>
  <HEATINGSYSTEM>4/HEATINGSYSTEM>
 <BLOCK HC>0</BLOCK HC>
 <ISLOCKED>0</ISLOCKED>
 <LOCK CODE>455A52185EC6F38A
  <LOCK AVAILABLE>0</LOCK AVAILABLE>
 <LIGHT>15</LIGHT>
 <SENSOR EXT>0</SENSOR EXT>
  <T TARGET ADJUSTABLE>T</T TARGET ADJUSTABLE>
<HEATAREA nr="2">
 <HEATAREA NAME>2Bath/HEATAREA NAME>
 <HEATAREA MODE>1/HEATAREA_MODE>
  <T ACTUAL>22.8</T ACTUAL>
 <T ACTUAL EXT>22.8</T ACTUAL EXT>
 <T TARGET>21.0</T TARGET>
 <T TARGET BASE>21.0</T TARGET BASE>
 <HEATAREA STATE>0/HEATAREA STATE>
  <PROGRAM WEEK>2/PROGRAM WEEK>
 <PARTY>0</PARTY>
 <PARTY REMAININGTIME>0</party REMAININGTIME>
 <PRESENCE>0</PRESENCE>
 <T_TARGET_MIN>5.0</T_TARGET_MIN>
<T_TARGET_MAX>30.0</T_TARGET_MAX>
  <RPM MOTOR>0</RPM MOTOR>
 <OFFSET>0.0</offSET>
 <T HEAT DAY>21.0</T HEAT DAY>
 <T HEAT NIGHT>19.0</T HEAT NIGHT>
 <T_COOL_DAY>21.0</T_COOL_DAY>
  <T COOL NIGHT>23.0</T COOL NIGHT>
 <T FLOOR DAY>3.0</T FLOOR DAY>
 <HEATINGSYSTEM>4/HEATINGSYSTEM>
 <BLOCK HC>0</BLOCK HC>
 <ISLOCKED>0</ISLOCKED>
  <LOCK CODE>455A528B33F719DB</LOCK CODE>
 <LOCK AVAILABLE>0</LOCK_AVAILABLE>
 <LIGHT>15</LIGHT>
 <SENSOR EXT>0/SENSOR EXT>
  <T TARGET ADJUSTABLE>1</T TARGET ADJUSTABLE>
</HEATAREA>
<heatarea nr="3">
 <HEATAREA_NAME>3Cellar/HEATAREA_NAME>
  <HEATAREA MODE>0

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 <T_ACTUAL_EXT>22.8</T_ACTUAL_EXT>
<T_TARGET>20.5</T_TARGET>
 <T_TARGET_BASE>20.5</T_TARGET_BASE>
  <heatarea state>0</heatarea state>
 <PROGRAM WEEK>2</PROGRAM WEEK>
  <PROGRAM WEEKEND>0/PROGRAM WEEKEND>
  <PARTY>0</PARTY>
  <PARTY REMAININGTIME>0</PARTY REMAININGTIME>
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  <T TARGET MAX>0.0</T TARGET MAX>
 <RPM MOTOR>0</RPM MOTOR>
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 <T HEAT NIGHT>0.0</T HEAT NIGHT>
  <T COOL DAY>0.0</T COOL DAY>
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  <LIGHT>0</LIGHT>
 <SENSOR EXT>0/SENSOR EXT>
 <T TARGET_ADJUSTABLE>1</T_TARGET_ADJUSTABLE>
</HEATAREA>
<HEATAREA nr="4">
  <HEATAREA NAME>4Livingroom/HEATAREA NAME>
 <heatarea mode>0</heatarea mode>
```

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```
<T ACTUAL>22.9</T ACTUAL>
  <T ACTUAL EXT>22.9</T ACTUAL EXT>
  <T TARGET>19.0</T TARGET>
  <T TARGET BASE>19.0</T_TARGET_BASE>
  <HEATAREA_STATE>0</hEATAREA_STATE>
  <PROGRAM WEEK>2/PROGRAM WEEK>
  <PROGRAM WEEKEND>0/PROGRAM WEEKEND>
  <PARTY>0</PARTY>
  <PARTY REMAININGTIME>0</party_REMAININGTIME>
  <PRESENCE>0</presence>
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  <T TARGET MAX>30.0</T TARGET MAX>
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  <T HEAT NIGHT>19.0</T HEAT NIGHT>
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  <T COOL NIGHT>23.0</T COOL NIGHT>
  <T FLOOR DAY>3.0</T FLOOR DAY>
  <HEATINGSYSTEM>4</hEATINGSYSTEM>
  <BLOCK HC>0</BLOCK HC>
  <!SLOCKED>0</!SLOCKED>
  <LOCK CODE>455A524213F06ABE</LOCK CODE>
  <LOCK AVAILABLE>0</LOCK AVAILABLE>
  <LIGHT>0</LIGHT>
  <SENSOR EXT>0</SENSOR EXT>
  <T TARGET_ADJUSTABLE>1</T_TARGET_ADJUSTABLE>
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<HEATAREA nr="5">
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  <HEATAREA MODE>1/HEATAREA MODE>
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  <T COOL NIGHT>23.0</T COOL NIGHT>
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  <LIGHT>0</LIGHT>
  <SENSOR EXT>0</SENSOR EXT>
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</HEATAREA>
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  <HEATAREA NR>1/HEATAREA NR>
  <actor>1</actor>
  <actor_percent>100</actor percent>
  <HEATCTRL STATE>1/HEATCTRL STATE>
</HEATCTRL>
<HEATCTRL nr="2">
  <INUSE>1</INUSE>
  <HEATAREA NR>2/HEATAREA NR>
  <ACTOR>0</ACTOR>
  <actor percent>0</actor percent>
  <HEATCTRL_STATE>0</hEATCTRL_STATE>
</HEATCTRL>
<HEATCTRL nr="3">
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  <HEATAREA NR>3/HEATAREA_NR>
  <ACTOR>0</ACTOR>
  <ACTOR PERCENT>0</ACTOR PERCENT>
  <HEATCTRL STATE>0/HEATCTRL STATE>
</HEATCTRL>
```

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```
<HEATCTRL nr="4">
 <INUSE>1</INUSE>
  <HEATAREA NR>4/HEATAREA NR>
 <ACTOR>0</ACTOR>
 <actor_percent>0</actor_percent>
  <HEATCTRL STATE>0/HEATCTRL STATE>
</HEATCTRL>
<HEATCTRL nr="5">
 <INUSE>1</INUSE>
 <HEATAREA NR>5/HEATAREA_NR>
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 <HEATCTRL_STATE>0</HEATCTRL_STATE>
</HEATCTRL>
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 <INUSE>0</INUSE>
 <HEATAREA NR>0/HEATAREA NR>
 <ACTOR>0</ACTOR>
  <actor percent>0</actor percent>
 <HEATCTRL_STATE>0/HEATCTRL STATE>
</HEATCTRL>
<HEATCTRL nr="7">
 <INUSE>0</INUSE>
  <HEATAREA NR>0/HEATAREA NR>
 <ACTOR>0</ACTOR>
 <actor percent>0</actor percent>
 <HEATCTRL STATE>0/HEATCTRL STATE>
</HEATCTRL>
<HEATCTRL nr="8">
 <INUSE>0</INUSE>
 <HEATAREA NR>0/HEATAREA NR>
 <actor>0</actor>
 <ACTOR PERCENT>0</ACTOR PERCENT>
 <HEATCTRL_STATE>0</HEATCTRL_STATE>
</HEATCTRL>
<HEATCTRL nr="9">
  <INUSE>O</INUSE>
 <HEATAREA NR>0/HEATAREA NR>
 <ACTOR>0</ACTOR>
 <actor percent>0</actor percent>
 <HEATCTRL STATE>0/HEATCTRL STATE>
</HEATCTRL>
<HEATCTRL nr="10">
 <INUSE>0</INUSE>
 <HEATAREA NR>0/HEATAREA_NR>
 <ACTOR>0</ACTOR>
 <actor percent>0</actor percent>
 <HEATCTRL_STATE>0</hEATCTRL_STATE>
</HEATCTRL>
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 <HEATAREA_NR>0/HEATAREA_NR>
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  <HEATCTRL STATE>0</hEATCTRL STATE>
</HEATCTRL>
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  <INUSE>0</INUSE>
 <HEATAREA NR>0/HEATAREA NR>
 <ACTOR>0</ACTOR>
 <actor percent>0</actor percent>
 <HEATCTRL STATE>0/HEATCTRL STATE>
</HEATCTRL>
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<IODEVICE_ID>1</IODEVICE_ID>
 <IODEVICE VERS HW>1</IODEVICE VERS HW>
  <IODEVICE VERS SW>95.66</IODEVICE VERS SW>
 <HEATAREA NR>1/HEATAREA NR>
 <SIGNALSTRENGTH>2</SIGNALSTRENGTH>
 <BATTERY>2</BATTERY>
 <IODEVICE STATE>0</IODEVICE STATE>
 <IODEVICE COMERROR>0</IODEVICE_COMERROR>
 <ISON>1</ISON>
</IODEVICE>
<IODEVICE nr="2">
 <IODEVICE TYPE>0</IODEVICE TYPE>
 <IODEVICE ID>2</IODEVICE ID>
 <IODEVICE VERS HW>1</IODEVICE VERS HW>
 <IODEVICE_VERS_SW>95.66</IODEVICE_VERS_SW>
  <HEATAREA NR>2/HEATAREA NR>
 <SIGNALSTRENGTH>2</SIGNALSTRENGTH>
```

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```
<BATTERY>2</BATTERY>
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