# INTERFACE SPECIFICATION

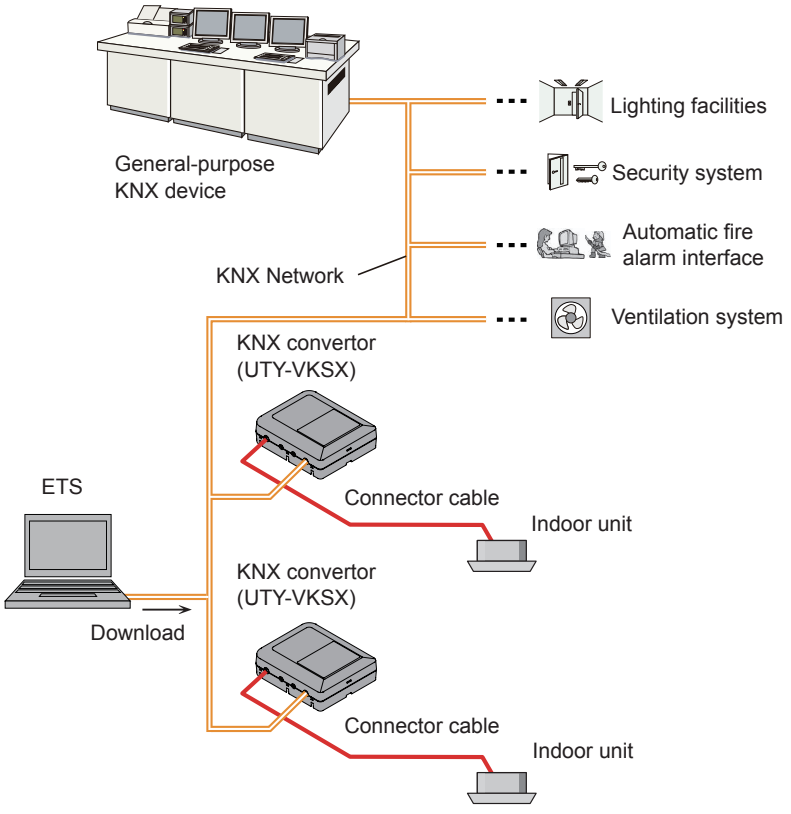
KNX CONVERTOR
UTY-VKSX

PART NO. 9708438061

FUJITSU GENERAL LIMITED

# Contents

# 1 SYSTEM OUTLINE




### (1) What is the KNX Convertor ?

The convertor for connecting our Indoor Unit to the system built by KNX, an open network, to manage the Indoor Unit.

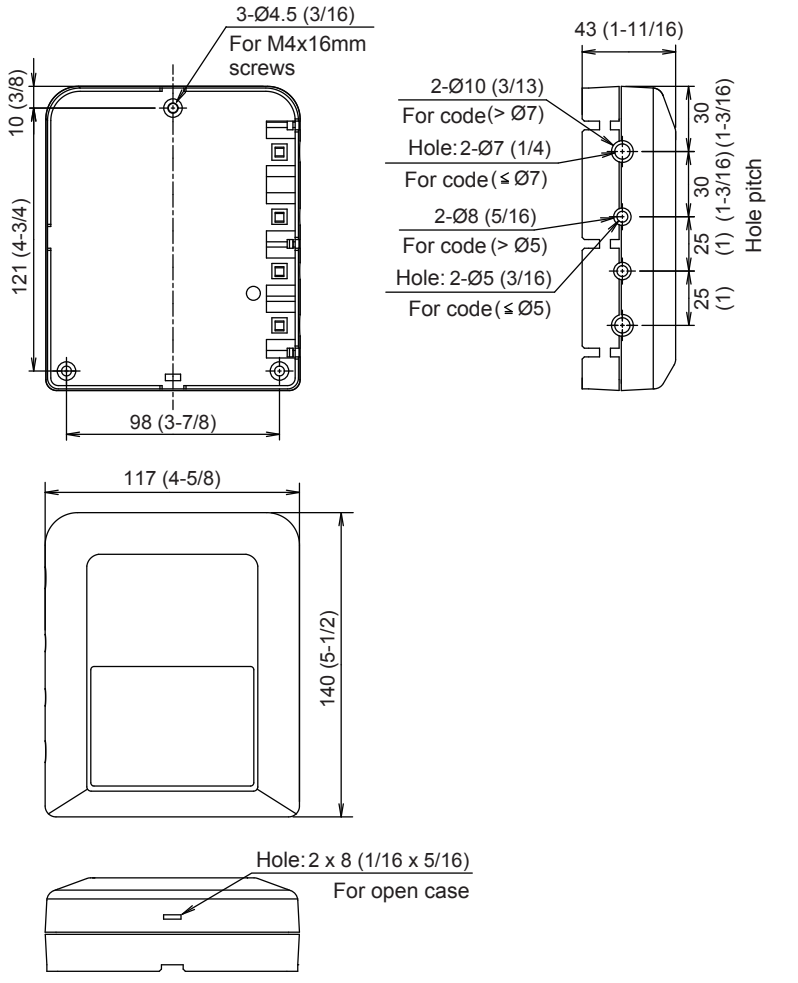
### (2) Maximum Connectable number per 1 KNX Convertor.

| | |
|---|---|
| Indoor Unit | 1 |

## 2 DIMENSION

The KNX convertor is comprised of a body and cover.

Unit : mm (in)



# 3 SPECIFICATION

## 3-1. Operating Environment

| | | |
|---|---|---|
| Power consumption (W) | | 0.6 |
| Temperature °C (°F) | Operating | 0–46 (32–114) |
| | Packaged | -10–60 (14–140) |
| Humidity (%) | Packaged | 0–95 (RH); No condensation |
| Dimensions H × W × D mm (in) | | 43 x 117 x 140 (1-11/16 x 4-5/8 x 5-1/2) |
| Weight g (oz) | | 215 (8) |

## 3-2. Transmission (Hardware)

| Use | Size | | Wire type | Remarks |
|---|---|---|---|---|
| KNX cable | Maximum | 0.8 $mm^2$ (18AWG) | AWG18-20 2wire twisted pair | KNX TP1 (Twister Pair 1) cable |
| | Minimum | 0.5 $mm^2$ (20AWG) | | |

### 3-3. Function

| Item*1 | Control*2 | Monitor Information*3 | Convertor |
|---|---|---|---|
| | Indoor Unit | Indoor Unit | |
| ON/OFF command | ● | ● | |
| Operation mode setting | ● | ● | |
| Temperature setting | ● | ● | |
| Airflow mode setting | ● | ● | |
| Thermostat off setting | ● | ● | |
| Centrally control (Filter reset) | ● | ● | |
| Centrally control (All mode) | ● | ● | |
| Centrally control (Timer mode) | ● | ● | |
| Centrally control (Set temperature mode) | ● | ● | |
| Centrally control (ON/OFF mode) | ● | ● | |
| Centrally control (ON mode) | ● | ● | |
| Centrally control (Operation mode) | ● | ● | |
| Filter sign reset | ● | ● | |
| Energy save mode setting | ● | ● | |
| Vertical/horizontal airflow direction louver setting | ● | ● | |
| Room temperature | | ● | |
| Error status / Error code | | ● | ● |
| Specific status | | ● | |
| Model name | | | ● |
| Software version | | | ● |
| Demand status | | ● | |
| Human detection auto save | ● | ● | |
| Human detection auto off | ● | ● | |
| Scene control | ● | ● | |

*1 Refer to the product manuals for each function.

*2 KNX network → Indoor Unit

*3 Indoor Unit → KNX network

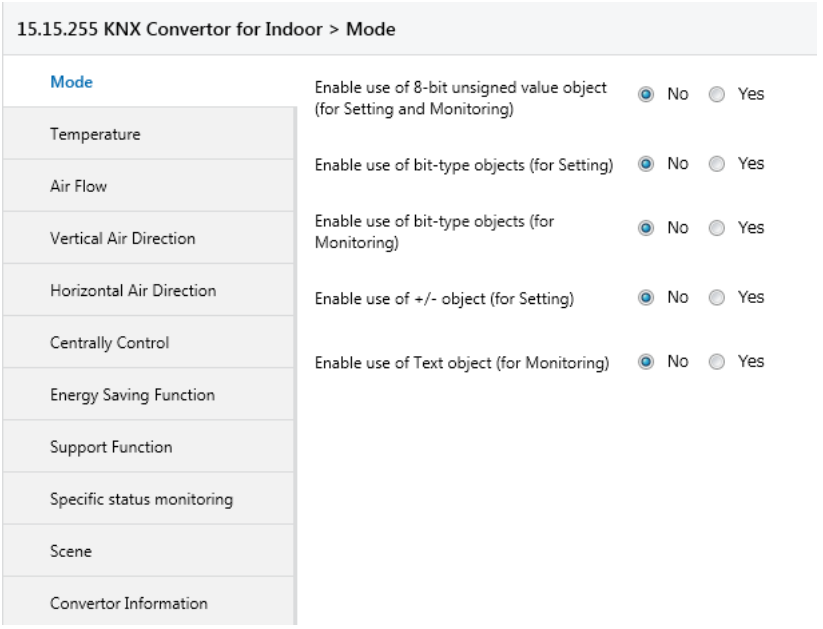
## 4 CONFIGURATION AND SETUP

This is a fully compatible KNX device which must be configured and setup using standard KNX tool ETS.
ETS database for this device can be downloaded from:

http://fujitsu-general.com/global/support/downloads/split/index.html

# 5 ETS PARAMETERS

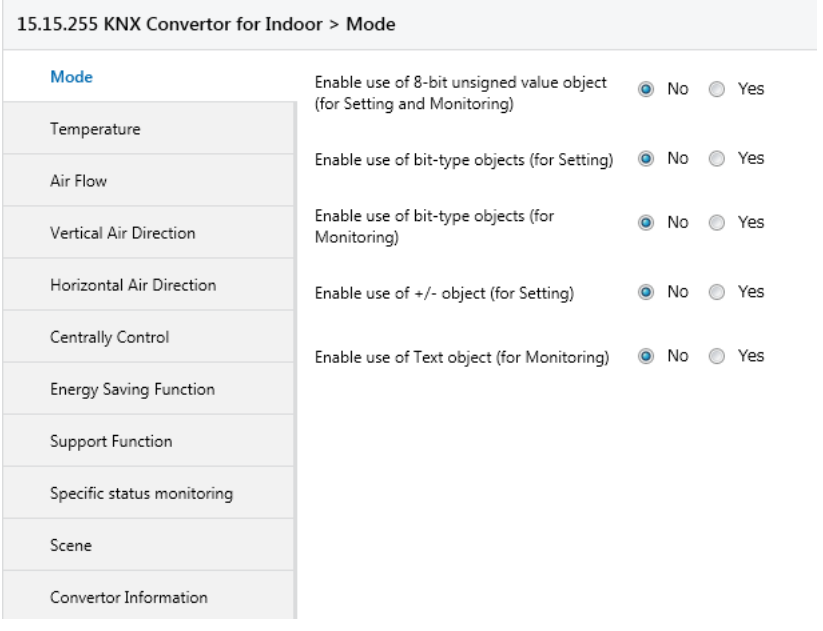
When imported into the ETS software for the first time,  the default parameter configuration of the gateway is shown below:




In this configuration, the operation mode (Setting_Operation Mode), operation on/off (Setting_Operation ON/OFF), set temperature (Setting_Set Temperature), and airflow (Setting_Airflow) settings can be configured.
Monitoring objects can monitor the status of operation mode (Monitoring_Operation Mode), operation on/off (Monitoring_Operation ON/OFF), set temperature (Monitoring_Set Temperature), airflow (Monitoring_Airflow), room temperature (Monitoring_Room Temperature), and error (Monitoring_Error Status).

| | | |
|---|---|---|
| 1 | Inner_ Setting_ Operation Mode [HVAC] | 0 - Auto; 1 - Heat; 3 - Cool; 9 - Fan; 14 - Dry |
| 9 | Inner_ Setting_ Operation On/Off | 0 - Off; 1 - On |
| 10 | Inner_ Setting_ Set Temperature | (°C) |
| 12 | Inner_ Setting_ Airflow | 0%-13% - Auto; 14%-27% - Quiet; 28%-41% - Low; 42%-55% - Med-Low; 56%-70% - Med; 71%-85% - Med-High; 86%-100% - High |
| 55 | Inner_ Monitoring_ Operation Mode [HVAC] | 0 - Auto; 1 - Heat; 3 - Cool; 9 - Fan; 14 - Dry |
| 63 | Inner_ Monitoring_ Operation On/Off | 0 - Off; 1-On |
| 64 | Inner_ Monitoring_ Set Temperature | (°C) |
| 65 | Inner_ Monitoring_ Airflow | 13% - Auto; 27% - Quiet; 41% - Low; 55% - Med-Low; 70% - Med; 85% - Med-High; 100% - High |
| 74 | Inner_ Monitoring_ Room Temperature | (°C) |
| 75 | Inner_ Monitoring_ Error Status Error/No error | 0 - No error; 1 - Error |
| 76 | Inner_ Monitoring_ Error Status Error Code | (Error code section)(Error code subsection) |

## 5-1. Mode dialog

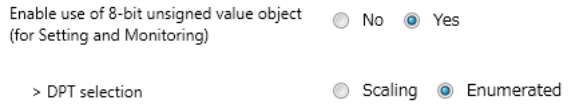



All the parameters in this section are related with the different mode properties and communication objects.

### 5-1-1. Enable use of 8-bit unsigned value object

This parameter shows/hides the 8-bit unsigned value Setting_ and Monitoring_ Operation Mode communication objects.

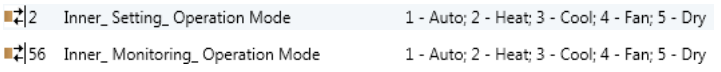
- If set to “No” the objects will not be shown.
- If set to “Yes” the 8-bit unsigned value Setting_ and Monitoring_ Operation Mode objects will appear. Fields to select the DPT setting will also appear.




### 5-1-2. DPT object type for Operation Mode objects

This parameter changes the DPT setting of the 8-bit unsigned value Setting_ and Monitoring_ Operation Mode objects. For datapoints, Scaling and Enumerated are selectable.

- When “Enumerated” is selected, Setting_ and Monitoring_ Operation Mode communication objects for this DPT will appear.




- When “Scaling” is selected, Setting_ and Monitoring_ Operation Mode communication objects for this DPT will appear.

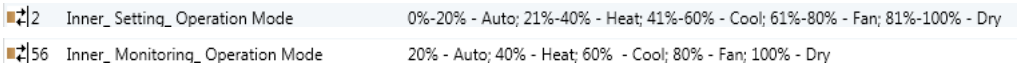
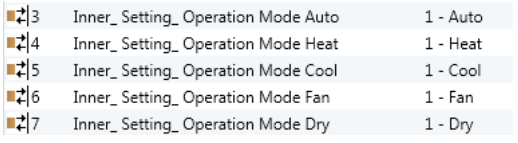



Table next shows the range of values that can be sent through the Setting_ object and the value returned by the Monitoring object.

| | Auto | Heat | Cool | Fan | Dry |
|---|---|---|---|---|---|
| Setting_ | 0% - 20% | 21% - 40% | 41% - 60% | 61% - 80% | 81% - 100% |
| Monitoring_ | 20% | 40% | 60% | 80% | 100% |

### 5-1-3. Enable use of bit-type Operation Mode objects (for setting)

This parameter shows/hides the bit-type Setting_ Operation Mode objects.




- If set to “No” the objects will not be shown.
- If set to “Yes” the bit-type Setting_ Operation Mode objects for Auto, Heat, Cool, Fan and Dry will appear. When enabled, a mode will return a “1” through its bit-type object.

### 5-1-4. Enable use of bit-type Operation Mode objects (for monitoring)

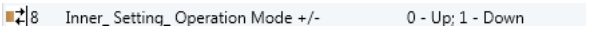
This parameter shows/hides the bit-type Monitoring_ Operation Mode objects.


- If set to “No” the objects will not be shown.

- If set to “Yes” the bit-type Monitoring_ Operation Mode objects for Auto, Heat, Cool, Fan and Dry will appear.
  When enabled, a mode will return a “1” through its bit-type object.

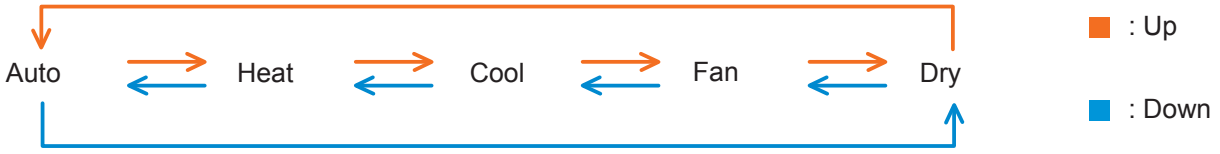
### 5-1-5. Enable use of +/- object for Operation Mode (for setting)

This parameter shows/hides the Setting_ Operation Mode +/- communication object which lets change the indoor unit mode.



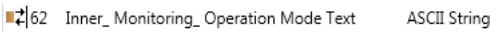

- If set to “No” the object will not be shown.
- If set to “Yes” the Setting_ Operation Mode +/- object will appear.

- DPT type for +/- Operation Mode Object
  The sequence followed when using this object is shown below:

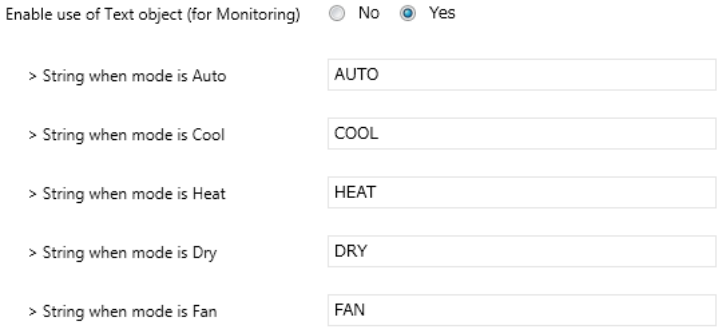



### 5-1-6. Enable use of Text object for Operation Mode (for Monitoring)

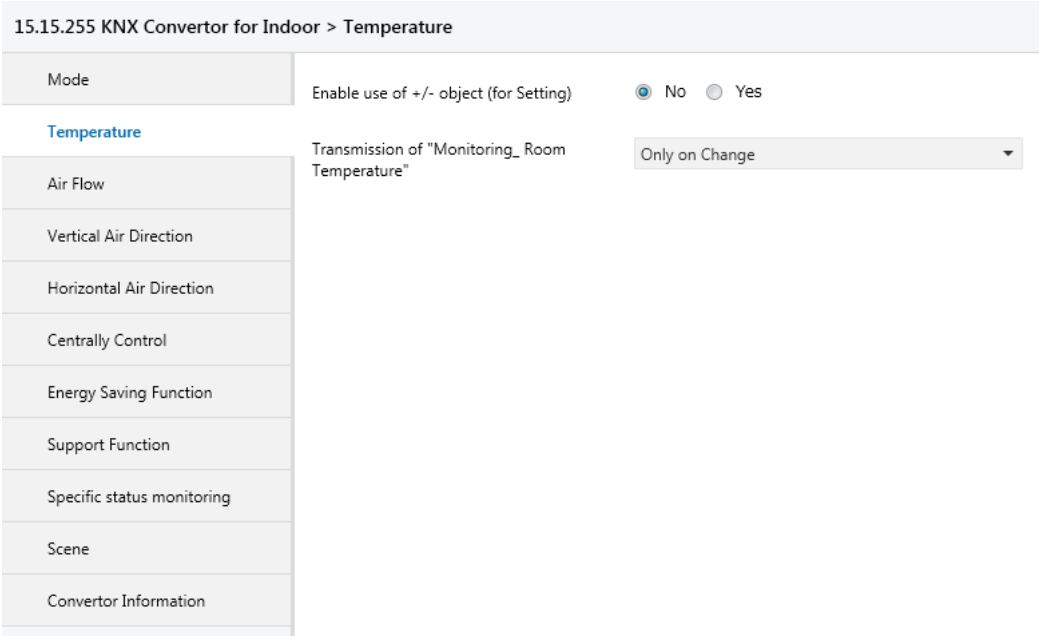
This parameter shows/hides the Monitoring_ Operation Mode Text communication object.




- If set to “No” the object will not be shown.
- If set to “Yes” the Monitoring_ Operation Mode Text object will appear.
  Also, in the parameters, will be shown five text fields, one for each mode, that will let modify the text string displayed by the Monitoring_ Operation Mode Text when changing mode.

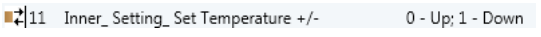


## 5-2. Temperature dialog




### 5-2-1. Enable use of +/- object for Set Temperature (for setting)

This parameter shows/hides the Setting_ Set Temperature +/- communication object which lets change the indoor unit set-point temperature.



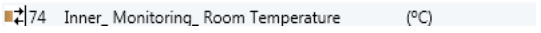

- If set to “No” the object will not be shown.
- If set to “Yes” the Setting_ Set Temperature +/- object will appear.

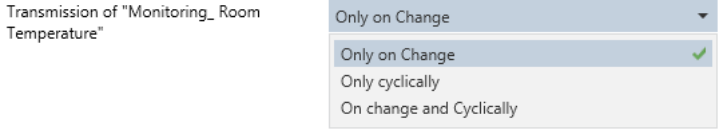
- DPT type for +/- Set Temperature Object

  The sequence followed when using this object is shown below:


### 5-2-2. Transmission of “Monitoring_ Room Temperature”

This parameter lets to you choose if the room temperature will be sent “Only on Change”, “Only cyclically” or “On change and Cyclically”.



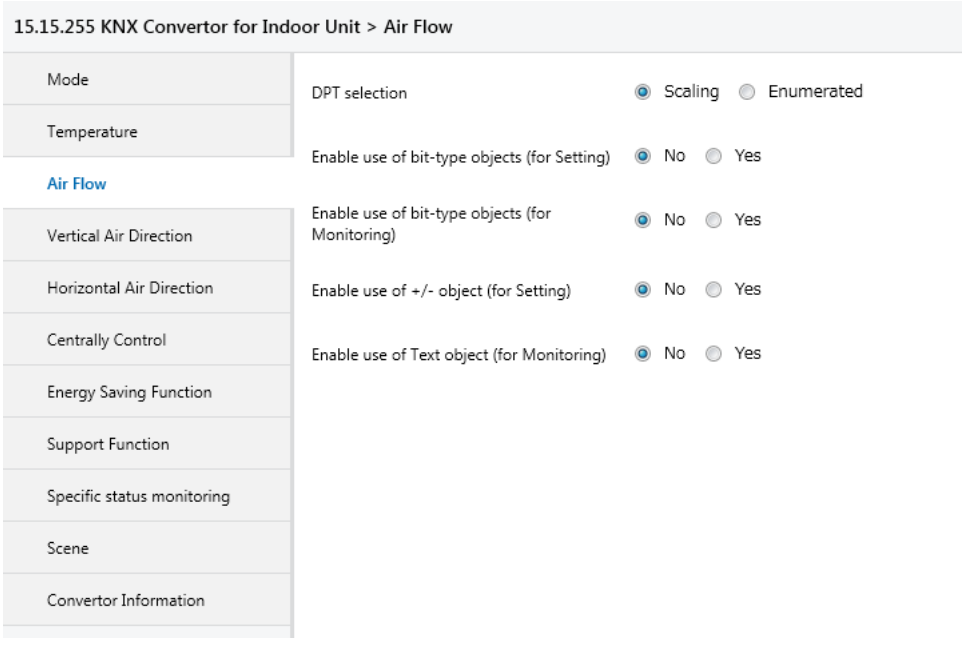




- If set to “Only cyclically” or “On change and Cyclically” cyclic sending will appear.
- If “Only cyclically” or “On change and Cyclically” is set, cyclic sending of “Monitoring_ Room Temperature” will appear.

### 5-2-3. Cyclic sending of “Monitoring_ Room Temperature”

This parameter will only be available for the “only cyclically” and “cyclically and on change” options, and lets you change the interval of time (in seconds, from 1 to 255) at the end of which the room temperature is sent to the KNX bus.

## 5-3. Air Flow dialog

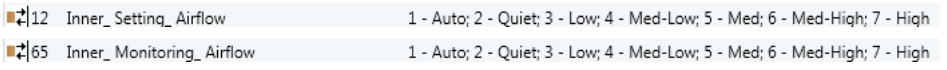



All the parameters in this section are related with the different air flow properties and communication objects.

### 5-3-1. DPT object type for Air Flow objects

This parameter changes the DPT setting of the 8-bit unsigned value Setting_ and Monitoring_ Air Flow objects.
For datapoints, Scaling and Enumerated are selectable.

- When “Enumerated” is selected, Setting_ and Monitoring_ Air Flow communication objects for this DPT will appear.




- When “Scaling” is selected, Setting_ and Monitoring_ Air Flow communication objects for this DPT will appear.

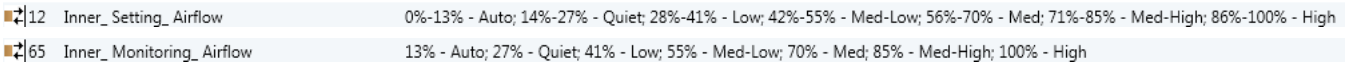



Table next shows the range of values that can be sent through the Setting_ object and the value returned by the Monitoring_ object.

| | Auto | Quiet | Low | Med-Low | Med | Med-High | High |
|---|---|---|---|---|---|---|---|
| Setting_ | 0% - 13% | 14% - 27% | 28% - 41% | 42% - 55% | 56% - 70% | 71% - 85% | 86% - 100% |
| Monitoring_ | 13% | 27% | 41% | 55% | 70% | 85% | 100% |

### 5-3-2. Enable use of bit-type Air Flow objects (for setting)

This parameter shows/hides the bit-type Setting_ Air Flow objects.

| | | |
|---|---|---|
| 13 | Inner_ Setting_ Airflow Auto | 1 - Auto |
| 14 | Inner_ Setting_ Airflow Quiet | 1 - Quiet |
| 15 | Inner_ Setting_ Airflow Low | 1 - Low |
| 16 | Inner_ Setting_ Airflow Med-Low | 1 - Med-Low |
| 17 | Inner_ Setting_ Airflow Med | 1 - Med |
| 18 | Inner_ Setting_ Airflow Med-High | 1 - Med-High |
| 19 | Inner_ Setting_ Airflow High | 1 - High |

- If set to “No” the objects will not be shown.
- If set to “Yes” the bit-type Setting_ Air Flow objects for Auto, Quiet, Low, Med-Low, Med, Med-High and High will appear. To activate an air flow by using these objects a “1” value has to be sent.

### 5-3-3. Enable use of bit-type Air Flow objects (for monitoring)

This parameter shows/hides the bit-type Monitoring_ Air Flow objects.

| | | |
|---|---|---|
| 66 | Inner_ Monitoring_ Airflow Auto | 1 - Auto |
| 67 | Inner_ Monitoring_ Airflow Quiet | 1 - Quiet |
| 68 | Inner_ Monitoring_ Airflow Low | 1 - Low |
| 69 | Inner_ Monitoring_ Airflow Med-Low | 1 - Med-Low |
| 70 | Inner_ Monitoring_ Airflow Med | 1 - Med |
| 71 | Inner_ Monitoring_ Airflow Med-High | 1 - Med-High |
| 72 | Inner_ Monitoring_ Airflow High | 1 - High |

- If set to “No” the objects will not be shown.
- If set to “Yes” the bit-type Monitoring_ Air Flow objects for Auto, Quiet, Low, Med-Low, Med, Med-High and High will appear. When enabled, an air flow will return a “1” through its bit-type object.

### 5-3-4. Enable use of +/- object for Air Flow (for setting)

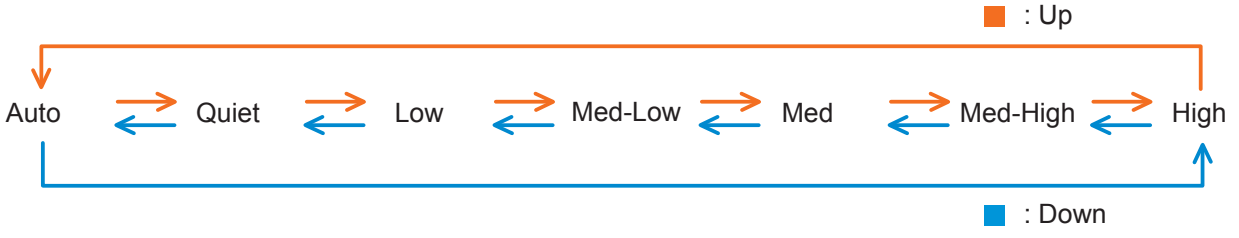
This parameter shows/hides the Setting_ Air Flow +/- communication object which lets change the indoor unit air flow.

| | | |
|---|---|---|
| 20 | Inner_ Setting_ Airflow +/- | 0 - Up; 1 - Down |

- If set to “No” the object will not be shown.
- If set to “Yes” the Setting_ Air Flow +/- object will appear.

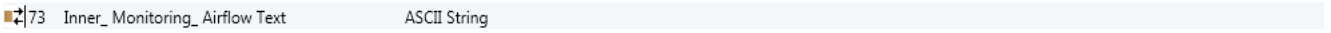
- DPT type for +/- Air Flow Object

  The sequence followed when using this object is shown below:

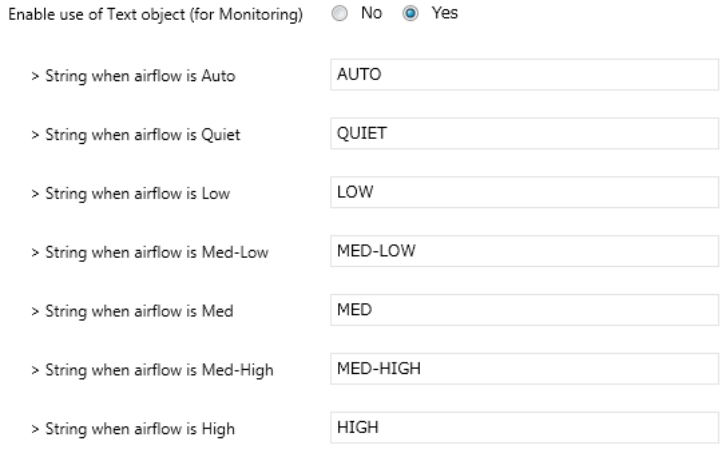


### 5-3-5. Enable use of Text object for Air Flow (for Monitoring)

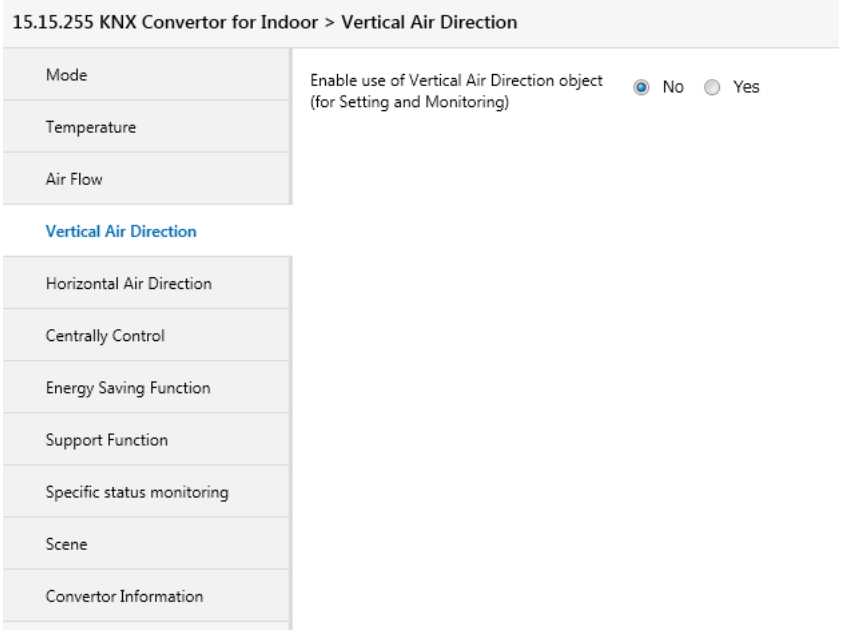
This parameter shows/hides the Monitoring_ Air Flow Text communication object.




- If set to “No” the object will not be shown.
- If set to “Yes” the Monitoring_ Air Flow Text object will appear.
  Also, in the parameters, will be shown seven text fields, one for each air flow, that will let modify the text string displayed by the Monitoring_ Air Flow Text when changing air flow.




## 5-4. Vertical Air Direction dialog

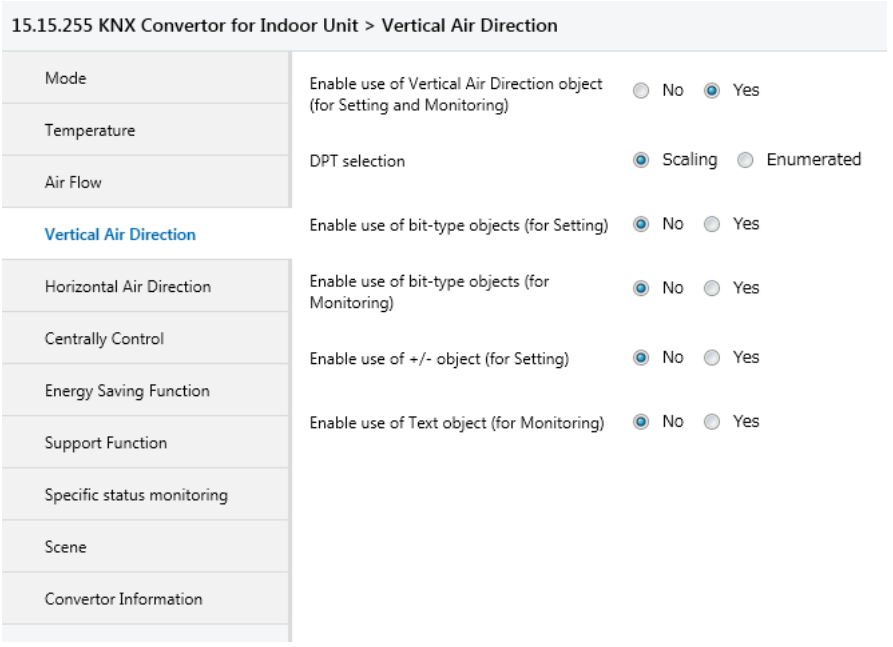



All the parameters in this section are related with the different vertical air direction properties and communication objects.

### 5-4-1. Enable use of Vertical Air Direction objects (for Setting and Monitoring)

This parameter shows/hides the Setting_ and Monitoring Vertical Air Direction objects.

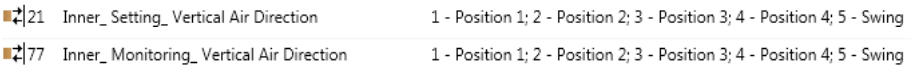
- If set to “No” the objects will not be shown.
- If set to “Yes” the 8-bit unsigned value Setting_ and Monitoring_ Vertical Air Direction objects will appear. Also, the field to select the DPT setting and field to set the Vertical Air Direction object setting will appear.




### 5-4-2. DPT object type for Vertical Air Direction objects

This parameter changes the DPT setting of the 8-bit unsigned value Setting_ and Monitoring_ Vertical Air Direction object. For datapoints, Scaling and Enumerated are selectable.

- When “Enumerated” is selected, Setting_ and Monitoring_ Vertical Air Direction communication objects for this DPT will appear.




- When “Scaling” is selected, Setting_ and Monitoring_ Vertical Air Direction communication objects for this DPT will appear.

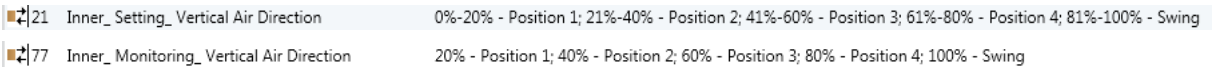



Table next shows the range of values that can be sent through the Setting_ object and the value returned by the Monitoring_ object.

| | Position 1 | Position 2 | Position 3 | Position 4 | Swing |
|---|---|---|---|---|---|
| Setting_ | 0% - 20% | 21% - 40% | 41% - 60% | 61% - 80% | 81% - 100% |
| Monitoring_ | 20% | 40% | 60% | 80% | 100% |

### 5-4-3. Enable use of bit-type Vertical Air Direction objects (for setting)

This parameter shows/hides the bit-type Setting_ Vertical Air Direction objects.

| | | |
|---|---|---|
| 22 | Inner_ Setting_ Vertical Air Direction Pos1 | 1 - Position 1 |
| 23 | Inner_ Setting_ Vertical Air Direction Pos2 | 1 - Position 2 |
| 24 | Inner_ Setting_ Vertical Air Direction Pos3 | 1 - Position 3 |
| 25 | Inner_ Setting_ Vertical Air Direction Pos4 | 1 - Position 4 |
| 26 | Inner_ Setting_ Vertical Air Direction Swing | 1 - Swing |

- If set to “No” the objects will not be shown.
- If set to “Yes” the bit-type Setting_ Vertical Air Direction objects for Position 1, Position 2, Position 3, Position 4 and Swing will appear. To activate a vertical air direction by using these objects a “1” value has to be sent.

### 5-4-4. Enable use of bit-type Vertical Air Direction objects (for monitoring)

This parameter shows/hides the bit-type Monitoring_ Vertical Air Direction objects.

| | | |
|---|---|---|
| 78 | Inner_ Monitoring_ Vertical Air Direction Pos1 | 1 - Position 1 |
| 79 | Inner_ Monitoring_ Vertical Air Direction Pos2 | 1 - Position 2 |
| 80 | Inner_ Monitoring_ Vertical Air Direction Pos3 | 1 - Position 3 |
| 81 | Inner_ Monitoring_ Vertical Air Direction Pos4 | 1 - Position 4 |
| 82 | Inner_ Monitoring_ Vertical Air Direction Swing | 1 - Swing |

- If set to “No” the objects will not be shown.
- If set to “Yes” the bit-type Monitoring_ Vertical Air Direction objects for Position 1, Position 2, Position 3 and Position 4 will appear. When enabled, a vertical air direction will return a “1” through its bit-type object.

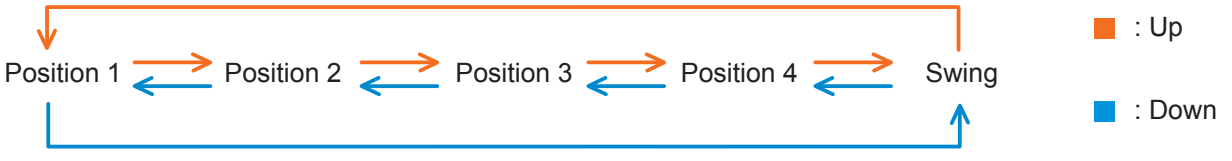
### 5-4-5. Enable use of +/- object for Vertical Air Direction (for setting)

This parameter shows/hides the Setting_ Vertical Air Direction +/- communication object which lets change the indoor unit vertical air direction.

| | | |
|---|---|---|
| 27 | Inner_ Setting_ Vertical Air Direction +/- | 0 - Up; 1 - Down |

- If set to “No” the object will not be shown.
- If set to “Yes” the Setting_ Vertical Air Direction +/- object will appear.

- DPT type for +/- Vertical Air Direction Object
  The sequence followed when using this object is shown below:

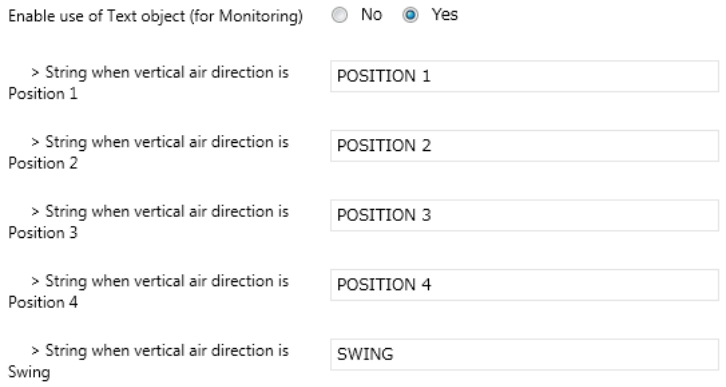



### 5-4-6. Enable use of Text object for Vertical Air Direction (for Monitoring)

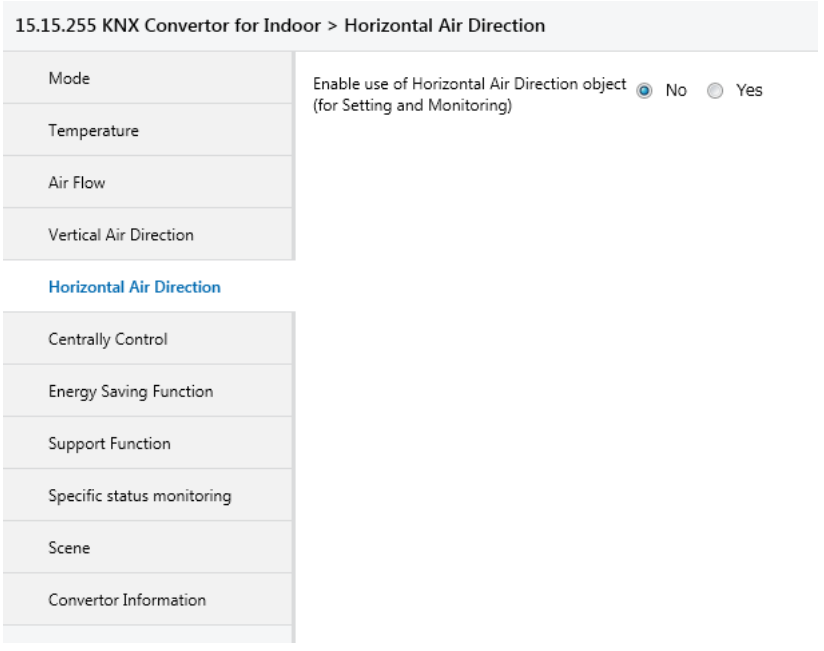
This parameter shows/hides the Monitoring_ Vertical Air Direction Text communication object.

| | | |
|---|---|---|
| 83 | Inner_ Monitoring_ Vertical Air Direction Text | ASCII String |

- If set to “No” the object will not be shown.
- If set to “Yes” the Monitoring_ Vertical Air Direction Text object will appear.
  Also, in the parameters, will be shown five text fields, one for each vertical air direction, that will let modify the text string displayed by the Monitoring_ Vertical Air Direction Text when changing vertical air direction.




## 5-5. Horizontal Air Direction dialog

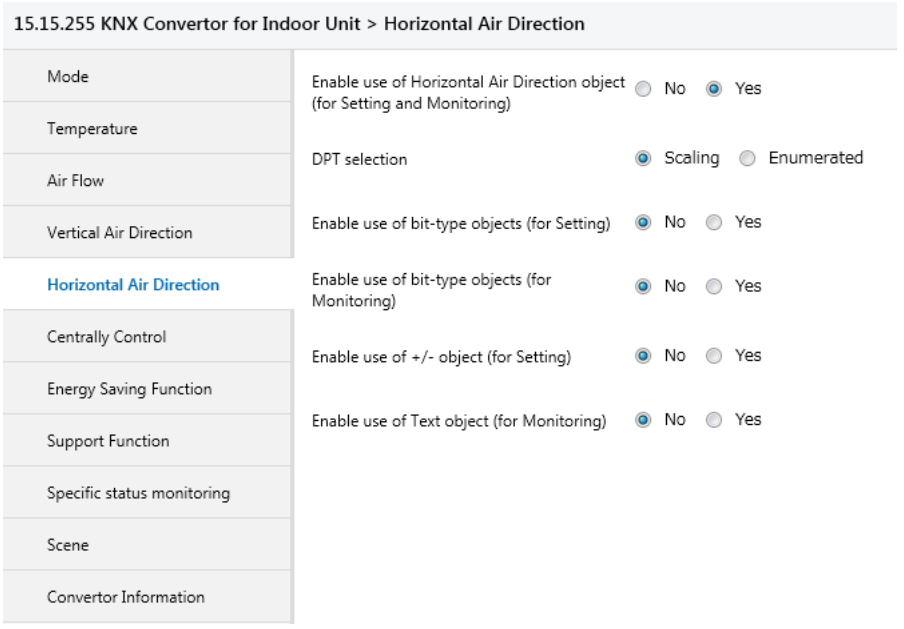



All the parameters in this section are related with the different horizontal air direction properties and communication objects.

### 5-5-1. Enable use of Horizontal Air Direction objects (for Setting and Monitoring)

This parameter shows/hides the Setting_ and Monitoring Horizontal Air Direction objects.

- If set to “No” the objects will not be shown.
- If set to “Yes” the 8-bit unsigned value Setting_ and Monitoring_ Horizontal Air Direction objects will appear. Also, the field to select the DPT setting and field to set the Horizontal Air Direction object setting will appear.




### 5-5-2. DPT object type for Horizontal Air Direction objects

This parameter changes the DPT setting of the 8-bit unsigned value Setting_ and Monitoring_ Horizontal Air Direction object. For datapoints, Scaling and Enumerated are selectable.

- When “Enumerated” is selected, Setting_ and Monitoring_ Horizontal Air Direction communication objects for this DPT will appear.


- When “Scaling” is selected, Setting_ and Monitoring_ Horizontal Air Direction communication objects for this DPT will appear.

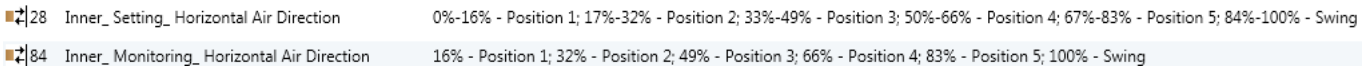



Table next shows the range of values that can be sent through the Setting_ object and the value returned by the Monitoring_ object.

| | Position 1 | Position 2 | Position 3 | Position 4 | Position 5 | Swing |
|---|---|---|---|---|---|---|
| Setting_ | 0% - 16% | 17% - 32% | 33% - 49% | 50% - 66% | 67% - 83% | 84% - 100% |
| Monitoring_ | 16% | 32% | 49% | 66% | 83% | 100% |

### 5-5-3. Enable use of bit-type Horizontal Air Direction objects (for setting)

This parameter shows/hides the bit-type Setting_ Horizontal Air Direction objects.

| | | |
|---|---|---|
| 29 | Inner_ Setting_ Horizontal Air Direction Pos1 | 1 - Position 1 |
| 30 | Inner_ Setting_ Horizontal Air Direction Pos2 | 1 - Position 2 |
| 31 | Inner_ Setting_ Horizontal Air Direction Pos3 | 1 - Position 3 |
| 32 | Inner_ Setting_ Horizontal Air Direction Pos4 | 1 - Position 4 |
| 33 | Inner_ Setting_ Horizontal Air Direction Pos5 | 1 - Position 5 |
| 34 | Inner_ Setting_ Horizontal Air Direction Swing | 1 - Swing |

- If set to “No” the objects will not be shown.
- If set to “Yes” the bit-type Setting_ Horizontal Air Direction objects for Position 1, Position 2, Position 3, Position 4, Position 5 and Swing will appear. To activate a horizontal air direction by using these objects a “1” value has to be sent.

### 5-5-4. Enable use of bit-type Horizontal Air Direction objects (for monitoring)

This parameter shows/hides the bit-type Monitoring_ Horizontal Air Direction objects.

| | | |
|---|---|---|
| 85 | Inner_ Monitoring_ Horizontal Air Direction Pos1 | 1 - Position 1 |
| 86 | Inner_ Monitoring_ Horizontal Air Direction Pos2 | 1 - Position 2 |
| 87 | Inner_ Monitoring_ Horizontal Air Direction Pos3 | 1 - Position 3 |
| 88 | Inner_ Monitoring_ Horizontal Air Direction Pos4 | 1 - Position 4 |
| 89 | Inner_ Monitoring_ Horizontal Air Direction Pos5 | 1 - Position 5 |
| 90 | Inner_ Monitoring_ Horizontal Air Direction Swing | 1 - Swing |

- If set to “No” the objects will not be shown.
- If set to “Yes” the bit-type Monitoring_ Horizontal Air Direction objects for Position 1, Position 2, Position 3, Position 4, Position 5 and Swing will appear. When enabled, a horizontal air direction will return a “1” through its bit-type object.

### 5-5-5. Enable use of +/- object for Horizontal Air Direction (for setting)

This parameter shows/hides the Setting_ Horizontal Air Direction +/- communication object which lets change the indoor unit horizontal air direction.

| | | |
|---|---|---|
| 35 | Inner_ Setting_ Horizontal Air Direction +/- | 0 - Up; 1 - Down |

- If set to “No” the object will not be shown.
- If set to “Yes” the Setting_ Horizontal Air Direction +/- object will appear.

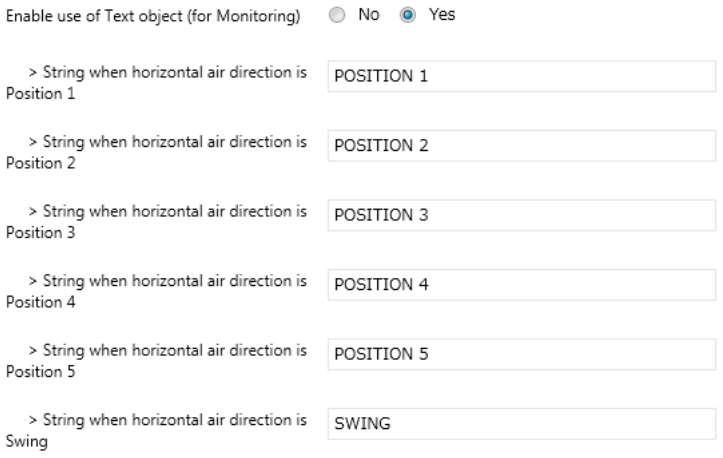
- DPT type for +/- Horizontal Air Direction Object
  The sequence followed when using this object is shown below:


### 5-5-6. Enable use of Text object for Horizontal Air Direction (for Monitoring)

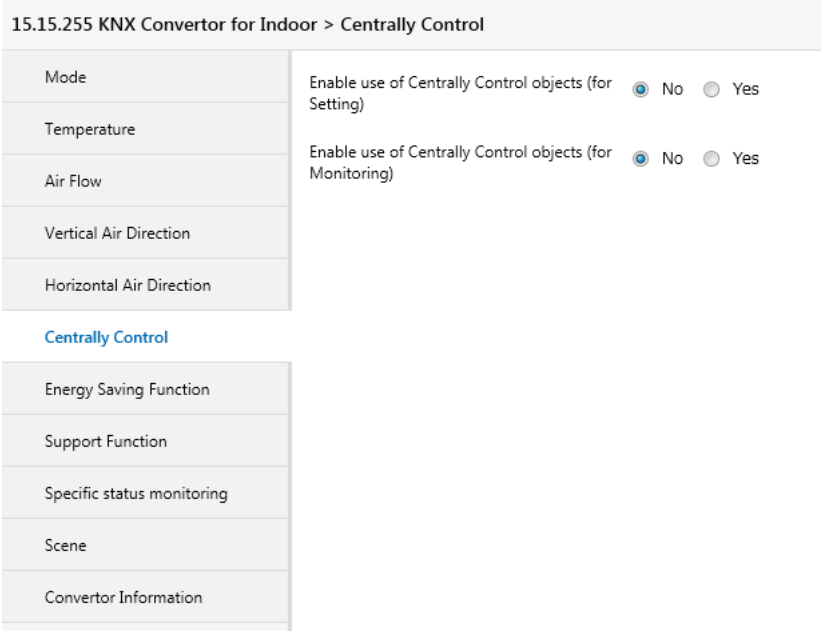
This parameter shows/hides the Monitoring_ Horizontal Air Direction Text communication object.

| | | |
|---|---|---|
| 91 | Inner_ Monitoring_ Horizontal Air Direction Text | ASCII String |

- If set to “No” the object will not be shown.
- If set to “Yes” the Monitoring_ Horizontal Air Direction Text object will appear.
  Also, in the parameters, will be shown six text fields, one for each horizontal air direction, that will let modify the text string displayed by the Monitoring_ Horizontal Air Direction Text when changing horizontal air direction.

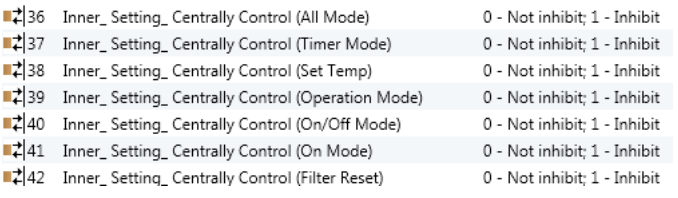



## 5-6. Centrally Control dialog




### 5-6-1. Enable use of bit-type Centrally Control objects (for setting)

This parameter shows/hides the bit-type Setting_ Centrally Control objects.




- If set to “No” the objects will not be shown.
- If set to “Yes” the bit-type Setting_ Centrally Control objects for All Mode, Timer Mode, Set Temp, Operation Mode, ON/OFF Mode, ON Mode and Filter Reset will appear. To activate an centrally control by using these objects a “1” value has to be sent.

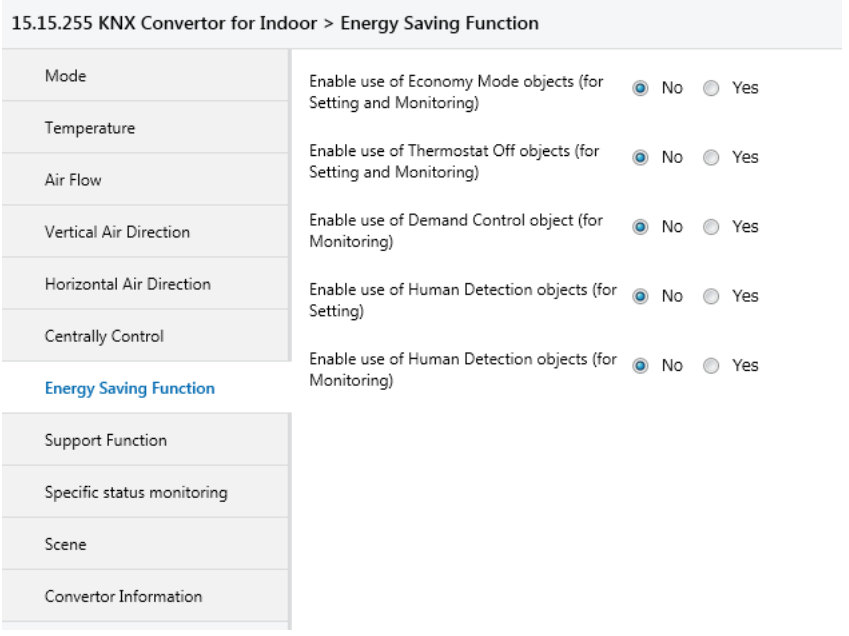
### 5-6-2. Enable use of bit-type Centrally Control objects (for monitoring)

This parameter shows/hides the bit-type Monitoring_ Centrally Control objects.

| | | |
|---|---|---|
| 92 | Inner_ Monitoring_ Centrally Control (All Mode) | 0 - Not inhibit; 1 - Inhibit |
| 93 | Inner_ Monitoring_ Centrally Control (Timer Mode) | 0 - Not inhibit; 1 - Inhibit |
| 94 | Inner_ Monitoring_ Centrally Control (Set Temperature) | 0 - Not inhibit; 1 - Inhibit |
| 95 | Inner_ Monitoring_ Centrally Control (Operation Mode) | 0 - Not inhibit; 1 - Inhibit |
| 96 | Inner_ Monitoring_ Centrally Control (On/Off Mode) | 0 - Not inhibit; 1 - Inhibit |
| 97 | Inner_ Monitoring_ Centrally Control (On Mode) | 0 - Not inhibit; 1 - Inhibit |
| 98 | Inner_ Monitoring_ Centrally Control (Filter Reset) | 0 - Not inhibit; 1 - Inhibit |

- If set to “No” the objects will not be shown.
- If set to “Yes” the bit-type Monitoring_ Centrally Control objects for All Mode, Timer Mode, Set Temp, Operation Mode, ON/OFF Mode, ON Mode and Filter Reset will appear. When enabled, an centrally control will return a “1” through its bit-type object.

## 5-7. Energy Saving dialog




### 5-7-1. Enable use of Economy Mode objects (for Setting and Monitoring)

This parameter shows/hides the Setting_ and Monitoring Economy Mode objects.

- If set to “No” the objects will not be shown.
- If set to “Yes” the bit-type Setting_ and Monitoring_ Economy Mode objects will appear.
  Sending “1” using the Setting_ Economy Mode object enables Economy Mode. Sending “0” using the Setting_ Economy Mode object disables Economy Mode. The Monitoring_ Economy Mode object is “1” when Economy Mode is enabled. The Monitoring_ Economy Mode object is “0” when Economy Mode is disabled.

| | | |
|---|---|---|
| 44 | Inner_ Setting_ Economy Mode Operation | 0 - Normal operation; 1 - Save operation |
| 100 | Inner_ Monitoring_ Economy Mode Operation | 0 - Normal operation; 1 - Save operation |

### 5-7-2. Enable use of Thermostat Off objects (for Setting and Monitoring)

This parameter shows/hides the Setting_ and Monitoring Thermostat Off objects.

- If set to “No” the objects will not be shown.
- If set to “Yes” the bit-type Setting_ and Monitoring_ Thermostat Off objects will appear.
  Sending “1” using the Setting_ Thermostat Off object sets the Thermostat Off state. Sending “0” using the Setting_ Thermostat Off object cancels the Thermostat Off state. The Monitoring_ Thermostat Off object is “1” when the Thermostat Off state is set. The Monitoring_ Thermostat Off object is “0” when the Thermostat Off state is not set.

| | | |
|---|---|---|
| 45 | Inner_ Setting_ Thermostat Off | 0 - Release; 1 - Thermo-off |
| 104 | Inner_ Monitoring_ Thermostat Off | 0 - Release; 1 - Thermo-off |

### 5-7-3. Enable use of Demand Control object (for Monitoring)

This parameter shows/hides the Monitoring Demand Control object.

- If set to “No” the object will not be shown.
- If set to “Yes” the 8-bit unsigned value Monitoring_ Demand Control object will appear.

| | | |
|---|---|---|
| 105 | Inner_ Monitoring_ Demand Control | 0 - No operation; 1 - DRM 1; 2 - DRM 2; 3 - DRM 3 |

### 5-7-4. Enable use of Human Detection objects (for Setting)

This parameter shows/hides the Setting_ Human Detection objects.

- If set to “No” the objects will not be shown.
- If set to “Yes” the Setting_ Human Detection objects will appear.
  For the Setting_ Human Detection object, sending “1” enables the human detection function, and sending “0” disables the human detection function. The Setting_ Human Detection Time object sets the duration of time to wait before the human detection function starts operating.
-

| | | |
|---|---|---|
| 46 | Inner_ Setting_ Human Detection Auto Save | 0 - No operation; 1 - Operation |
| 47 | Inner_ Setting_ Human Detection Auto Save Set Time | (minutes) |
| 48 | Inner_ Setting_ Human Detection Auto Off | 0 - No operation; 1 - Operation |
| 49 | Inner_ Setting_ Human Detection Auto Off Time | (minutes) |

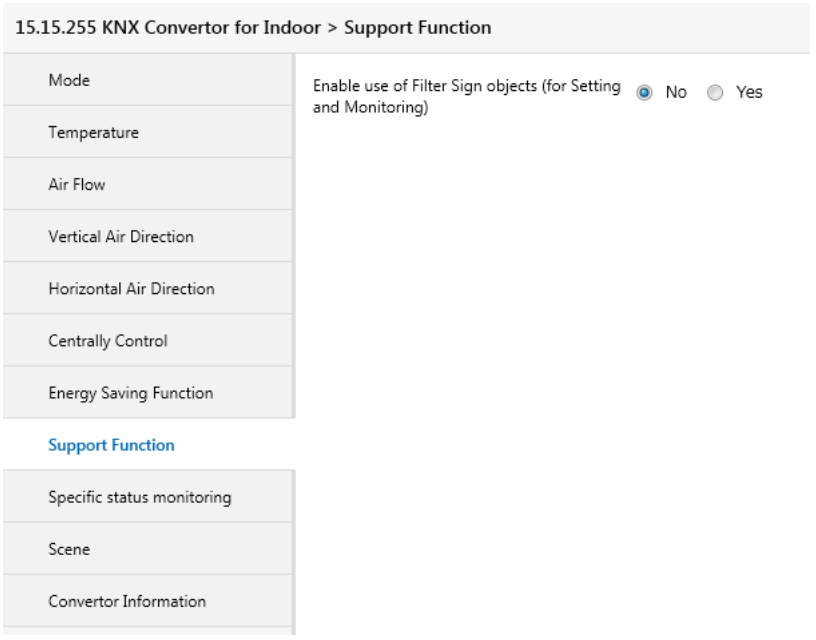
### 5-7-5. Enable use of Human Detection objects (for Monitoring)

This parameter shows/hides the Monitoring_ Human Detection objects.

- If set to “No” the objects will not be shown.
- If set to “Yes” the Monitoring_ Human Detection objects will appear.
  The Monitoring_ Human Detection object is “1” when the human detection function is enabled or “0” when the human detection function is disabled. The Monitoring_ Human Detection Time object indicates the setting value for the duration of time to wait before the human detection function starts operating.

| | | |
|---|---|---|
| 106 | Inner_ Monitoring_ Human Detection Auto Save | 0 - No operation; 1 - Operation |
| 107 | Inner_ Monitoring_ Human Detection Auto Save Set Time | (minutes) |
| 108 | Inner_ Monitoring_ Human Detection Auto Off | 0 - No operation; 1 - Operation |
| 109 | Inner_ Monitoring_ Human Detection Auto Off Set Time | (minutes) |

## 5-8. Additional Function dialog

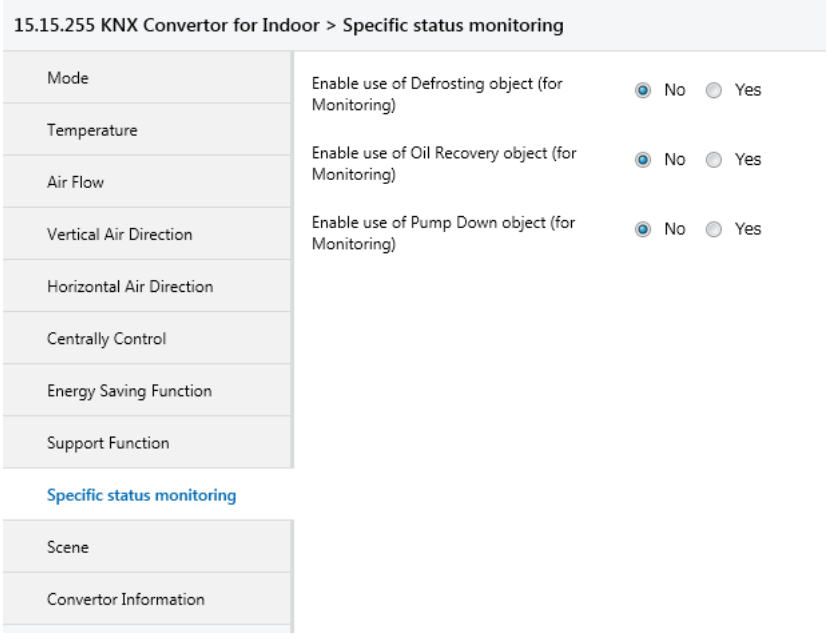



### 5-8-1. Enable use of Filter Sign objects (for Setting and Monitoring)

This parameter shows/hides the Setting_ and Monitoring Filter Sign objects.

- If set to “No” the objects will not be shown.
- If set to “Yes” the bit-type Setting_ and Monitoring_ Filter Sign objects will appear.
  Sending “1” using the Setting_ Filter Sign Reset object resets Filter Sign. (Sending “0” using it changes nothing.)
  The Monitoring_ Filter Sign object is “1” when there is any Filter Sign. The Monitoring_ Filter Sign object is “0” when there is no Filter Sign.

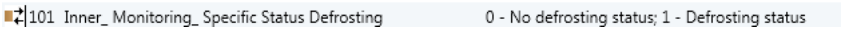

## 5-9. Specific status monitoring dialog



### 5-9-1. Enable use of Defrosting object (for Monitoring)

This parameter shows/hides the Monitoring_ Specific Status Defrosting object.

- If set to “No” the object will not be shown.
- If set to “Yes” the Monitoring_ Specific Status Defrosting object will appear.
  The Monitoring_ Specific Status Defrosting object is “1” in the case of the defroster-enabled state. The Monitoring_ Specific Status Defrosting object is “0” in the case of the defroster-disabled state.




### 5-9-2. Enable use of Oil Recovery object (for Monitoring)

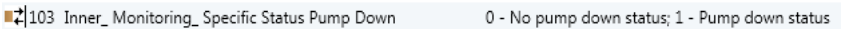
This parameter shows/hides the Monitoring_ Specific Status Oil Recovery object.

- If set to “No” the object will not be shown.
- If set to “Yes” the Monitoring_ Specific Status Oil Recovery object will appear.
  The Monitoring_ Specific Status Oil Recovery object is “1” in the case of the oil collection state. The Monitoring_ Specific Status Oil Recovery object is “1” not in the case of the oil collection state.

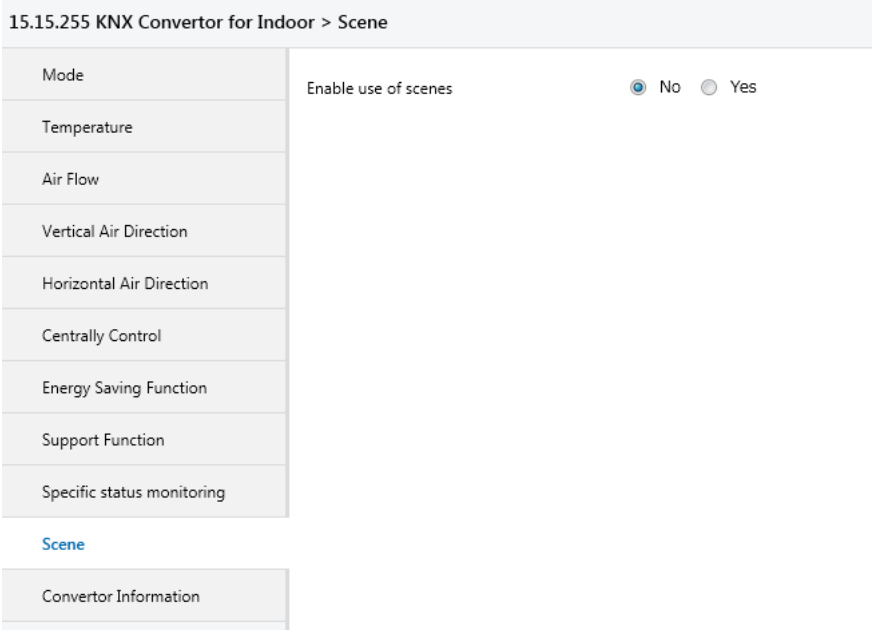

### 5-9-3. Enable use of Pump Down object (for Monitoring)

This parameter shows/hides the Monitoring_ Specific Status Pump Down object.

- If set to “No” the objects will not be shown.
- If set to “Yes” the Monitoring_ Specific Status Pump Down object will appear.
  The Monitoring_ Specific Status Pump Down object is “1” in the case of the pump failure state. The Monitoring_ Specific Status Pump Down object is “0” not in the case of the pump failure state.




## 5-10. Scene Configuration dialog

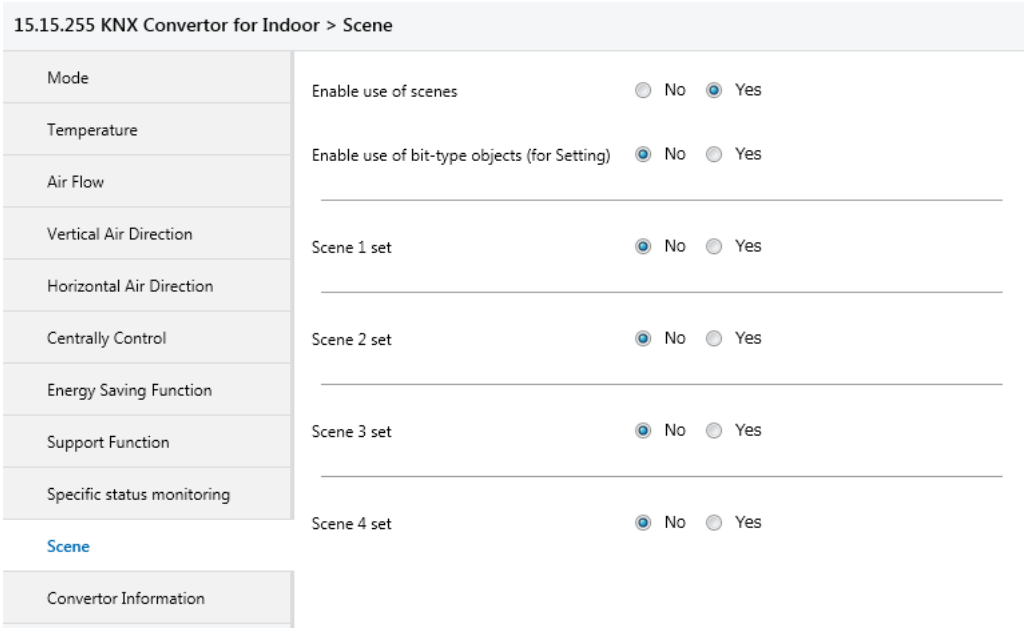



All the parameters in this section are related with the Scene properties and communication objects.
A scene contains values of: Operation Mode, Operation On/Off, Set Temperature, Airflow, Air Direction and Action time setting.

### 5-10-1. Enable use of scenes

This parameter shows/hides the scene configuration parameters and communication objects.

- If set to “No” the objects will not be shown.
- If set to “Yes” the scene parameters and communication objects will be shown.




| | | |
|---|---|---|
| 50 | Inner_ Setting_ Execute Scene | 1 - Scene 1; 2 - Scene 2; 3 - Scene 3; 4 - Scene4; 5 - None |
| 110 | Inner_ Monitoring_ Current Scene | 1 - Scene 1; 2 - Scene 2; 3 - Scene 3; 4 - Scene4; 5 - None |

### 5-10-2. Enable use of bit-type Scene objects (for setting)

This parameter shows/hides the bit-type Setting_ Execute Scene objects.

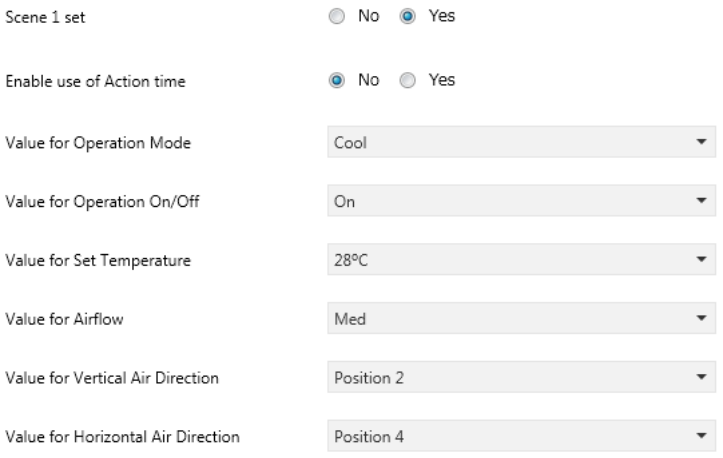
| | | |
|---|---|---|
| 51 | Inner_ Setting_ Execute Scene 1 | 1 - Execute Scene 1 |
| 52 | Inner_ Setting_ Execute Scene 2 | 1 - Execute Scene 2 |
| 53 | Inner_ Setting_ Execute Scene 3 | 1 - Execute Scene 3 |
| 54 | Inner_ Setting_ Execute Scene 4 | 1 - Execute Scene 4 |

- If set to “No” the objects will not be shown.
- If set to “Yes” the bit-type Setting_ Execute Scene objects for Scene 1, Scene 2, Scene 3 and Scene 4 will appear.
  To execute a scene by using these objects, a “1” value has to be sent to the scene’s object we want to execute (i.e. to execute scene 4, a “1” has to be sent to the Setting_ Execute Scene 4 object).

### 5-10-3. Scene “*” set

This parameter lets define a set for a scene (the following description is valid for all the scenes).

- If set to “No” the set for the scene “*” will be disabled.
- If set to “Yes” the set will be enabled. When a scene is executed the values configured in the preset will be aplied.




- Enable use of Action time

  This specifies whether to set the duration of execution time to the scene.

  When the execution time is set, the operation state before the scene is started is restored after the execution time elapses. (Fig 7. 10. 3)

- When this is set to “No”, the execution time setting is not applied.
- When this is set to “Yes”, the execution time setting field will appear.
- In the case of Yes, the values of Operation Mode, Operation On/Off, and Air Direction are not included in the scene.


In the execution time setting field, the Scene execution time can be set between 1 minute and 180 minutes.

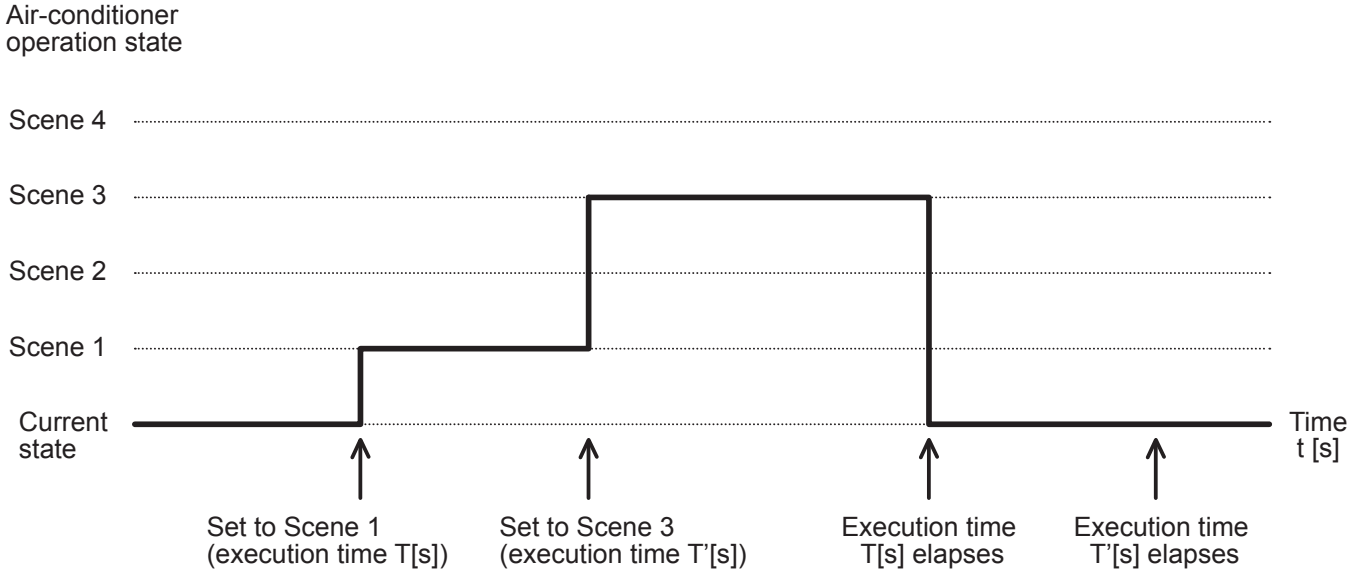



**Figure 7-10-3. Operation during which execution times elapse**

- Value for Operation Mode

  This parameter sets Operation Mode to apply when the scene is executed.
  The following options are available: “Auto”, “Heat”, “Cool”, “Fan”, “Dry” or “(unchanged)”.

- Value for Operation On/Off

  This parameter sets Operation On/Off to apply when the scene is executed.
  The following options are available: “Off”, “On” or “(unchanged)”.

- Value for Set Temperature

  This parameter sets Set Temperature to apply when the scene is executed.
  The following options are available: from “10ºC” to “32ºC” or “(unchanged)”.

- Value for Airflow

  This parameter sets Airflow to apply when the scene is executed.
  The following options are available: “Auto”, “Quiet”, “Low”, “Med-Low”, “Med”, “Med-High”, “High” or “(unchanged)”.

- Value for Vertical Air Direction

  This parameter sets Vertical Air Direction to apply when the scene is executed.
  The following options are available: “Position 1”, “Position 2”, “Position 3”, “Position 4”, “Swing” or “(unchanged)”.

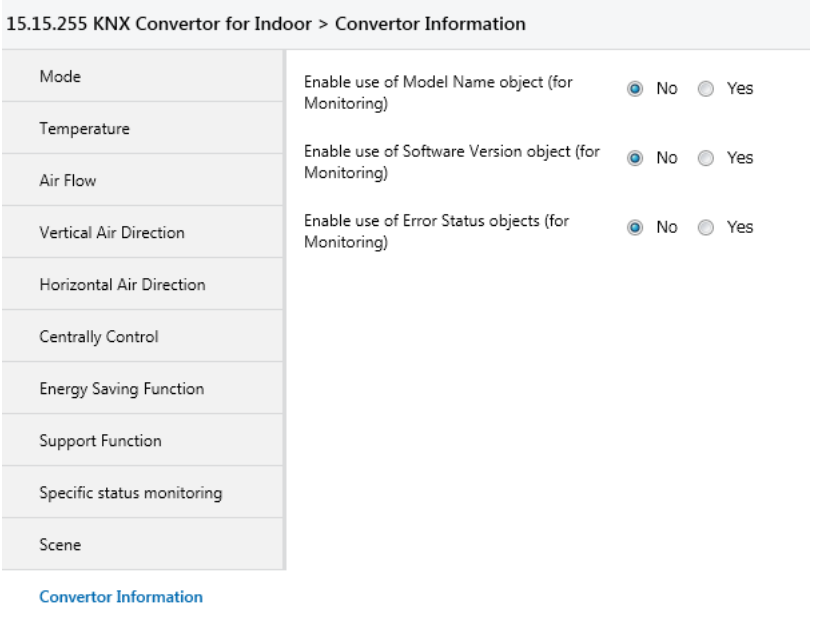
- Value for Horizontal Air Direction

  This parameter sets Horizontal Air Direction to apply when the scene is executed.
  The following options are available: “Position 1”, “Position 2”, “Position 3”, “Position 4”, “Position 5”, “Swing” or “(unchanged)”.

**Note**

- If any set value is configured as “(unchanged)”, the execution of this scene will not change current status of this feature in the indoor unit.
- When a scene is executed, Monitoring_ Current Scene object shows the number of this scene.
  Any change in previous items does Monitoring_ Current Scene show “None”.
  Only changes on items marked as “(unchanged)” will not disable current scene.

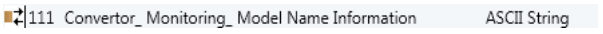
## 5-11. Convertor Information dialog



### 5-11-1. Enable use of Model Name object (for Monitoring)

This parameter shows/hides the Monitoring_ Model Name object.

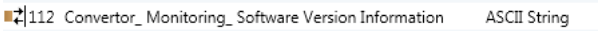
- If set to “No” the object will not be shown.
- If set to “Yes” the Monitoring_ Model Name object will appear.
  The Monitoring_ Model Name object indicates the model name of the KNX converter.




### 5-11-2. Enable use of Software Version object (for Monitoring)

This parameter shows/hides the Monitoring_ Software Version Information object.

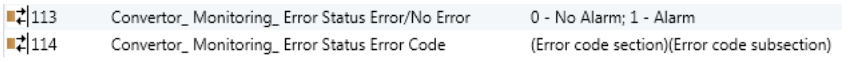
- If set to “No” the object will not be shown.
- If set to “Yes” the Monitoring_ Software Version Information object will appear.
  The Monitoring_ Software Version Information object indicates the version of the KNX converter software.




### 5-11-3. Enable use of Error Status objects (for Monitoring)

This parameter shows/hides the Monitoring_ Error Status objects.

- If set to “No” the objects will not be shown.
- If set to “Yes” the Monitoring_ Error Status Error/No Error object and Monitoring_ Error Status Error Code object will appear.
  The Monitoring_ Error Status Error/No Error object is “1” when the converter is faulty. The Monitoring_ Error Status Error/No Error object is “0” when the converter is running normally.
  The Monitoring_ Error Status Error Code object indicates the code of the error that occurred in the converter.



# 6 COMMUNICATION OBJECTS TABLE

| Classification | FUNCTION | OBJECT NUMBER | NAME | LENGTH | DATAPOINT TYPE | | FLAGS | | | | Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | DPT_NAME | DPT_ID | R | W | T | U | |
| Control Object | Operation mode setting | 1 | Inner_ Setting_ Operation Mode [HVAC] | 1 byte | DPT_ HVACCon-trMode | 20.105 | | W | | | 0 - Auto; 1 - Heat; 3 - Cool; 9 - Fan; 14 - Dry |
| | | 2 | Inner_ Setting_ Operation Mode | 1 byte | DPT_Scaling | 5.001 | | W | | | 0%-20% - Auto; 21%-40% - Heat; 41%-60% - Cool; 61%-80% - Fan; 81%-100% - Dry |
| | | | Inner_ Setting_ Operation Mode | 1 byte | DPT_ Enumeration_1 (Operation Mode) | | | W | | | 1 - Auto; 2 - Heat; 3 - Cool; 4 - Fan; 5 - Dry |
| | | 3 | Inner_ Setting_ Operation Mode Auto | 1 bit | DPT_Bool | 1.002 | | W | | | 1 - Auto |
| | | 4 | Inner_ Setting_ Operation Mode Heat | 1 bit | DPT_Bool | 1.002 | | W | | | 1 - Heat |
| | | 5 | Inner_ Setting_ Operation Mode Cool | 1 bit | DPT_Bool | 1.002 | | W | | | 1 - Cool |
| | | 6 | Inner_ Setting_ Operation Mode Fan | 1 bit | DPT_Bool | 1.002 | | W | | | 1 - Fan |
| | | 7 | Inner_ Setting_ Operation Mode Dry | 1 bit | DPT_Bool | 1.002 | | W | | | 1 - Dry |
| | | 8 | Inner_ Setting_ Operation Mode +/- | 1 bit | DPT_Step | 1.007 | | W | | | 0 - Up; 1 - Down |
| | ON/OFF | 9 | Inner_ Setting_ Operation ON/OFF | 1 bit | DPT_Switch | 1.001 | | W | | | 0 - Off; 1 - On |
| | Set temperature setting | 10 | Inner_ Setting_ Set Temperature | 2 byte | DPT_Value_ Temp | 9.001 | | W | | | (ºC) |
| | | 11 | Inner_ Setting_ Set Temperature +/- | 1 bit | DPT_Up-Down | 1.008 | | W | | | 0 - Up; 1 - Down |
| | Airflow setting | 12 | Inner_ Setting_ Airflow | 1 byte | DPT_Scaling | 5.001 | | W | | | 0%-13% - Auto; 14%-27% - Quiet; 28%-41% - Low; 42%-55% - Med-Low; 56%-70% - Med; 71%-85% - Med-High; 86%-100% - High |
| | | | Inner_ Setting_ Airflow | 1 byte | DPT_Enumeration_1 (Airflow) | | | W | | | 1 - Auto; 2 - Quiet; 3 - Low; 4 - Med-Low; 5 - Med; 6 - Med-High; 7 - High |
| | | 13 | Inner_ Setting_ Airflow Auto | 1 bit | DPT_Bool | 1.002 | | W | | | 1 - Auto |
| | | 14 | Inner_ Setting_ Airflow Quiet | 1 bit | DPT_Bool | 1.002 | | W | | | 1 – Quiet |
| | | 15 | Inner_ Setting_ Airflow Low | 1 bit | DPT_Bool | 1.002 | | W | | | 1 – Low |
| | | 16 | Inner_ Setting_ Airflow Med-Low | 1 bit | DPT_Bool | 1.002 | | W | | | 1 – Med-Low |
| | | 17 | Inner_ Setting_ Airflow Med | 1 bit | DPT_Bool | 1.002 | | W | | | 1 – Med |
| | | 18 | Inner_ Setting_ Airflow Med-High | 1 bit | DPT_Bool | 1.002 | | W | | | 1 – Med-High |
| | | 19 | Inner_ Setting_ Airflow High | 1 bit | DPT_Bool | 1.002 | | W | | | 1 – High |
| | | 20 | Inner_ Setting_ Airflow +/- | 1 bit | DPT_Step | 1.007 | | W | | | 0 - Up; 1 - Down |
| | Vertical air direction position setting | 21 | Inner_ Setting_ Vertical Air Direction | 1 byte | DPT_Scaling | 5.001 | | W | | | 0%-20% - Position 1; 21%-40% - Position 2; 41%-60% - Position 3; 61%-80% - Position 4; 81%-100% - Swing |
| | | | Inner_ Setting_ Vertical Air Direction | 1 byte | DPT_Enumeration_1 (Vertical Air Direction) | | | W | | | 1 - Position 1; 2 - Position 2; 3 - Position 3; 4 - Position 4; 5 - Swing |
| | | 22 | Inner_ Setting_ Vertical Air Direction Pos1 | 1 bit | DPT_Bool | 1.002 | | W | | | 1 – Position 1 |
| | | 23 | Inner_ Setting_ Vertical Air Direction Pos2 | 1 bit | DPT_Bool | 1.002 | | W | | | 1 – Position 2 |
| | | 24 | Inner_ Setting_ Vertical Air Direction Pos3 | 1 bit | DPT_Bool | 1.002 | | W | | | 1 – Position 3 |
| | | 25 | Inner_ Setting_ Vertical Air Direction Pos4 | 1 bit | DPT_Bool | 1.002 | | W | | | 1 – Position 4 |
| | | 26 | Inner_ Setting_ Vertical Air Direction Swing | 1 bit | DPT_Bool | 1.002 | | W | | | 1 - Swing |
| | | 27 | Inner_ Setting_ Vertical Air Direction +/- | 1 bit | DPT_Step | 1.007 | | W | | | 0 - Up; 1 - Down |

| Classification | FUNCTION | OBJECT NUMBER | NAME | LENGTH | DATAPOINT TYPE | | FLAGS | | | | Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | DPT_NAME | DPT_ID | R | W | T | U | |
| Control Object | Horizontal air direction position setting | 28 | Inner_ Setting_ Horizontal Air Direction | 1 byte | DPT_Scaling | 5.001 | | W | | | 0%-16% - Position 1; 17%-32% - Position 2; 33%-49% - Position 3; 50%-66% - Position 4; 67%-83% - Position 5; 84%-100% - Swing |
| | | | Inner_ Setting_ Horizontal Air Direction | 1 byte | DPT_Enumeration_1 (Horizontal Air Direction) | | | W | | | 1 - Position 1; 2 - Position 2; 3 - Position 3; 4 - Position 4; 5 - Position 5; 6 - Swing |
| | | 29 | Inner_ Setting_ Horizontal Air Direction Pos1 | 1 bit | DPT_Bool | 1.002 | | W | | | 1 – Position 1 |
| | | 30 | Inner_ Setting_ Horizontal Air Direction Pos2 | 1 bit | DPT_Bool | 1.002 | | W | | | 1 – Position 2 |
| | | 31 | Inner_ Setting_ Horizontal Air Direction Pos3 | 1 bit | DPT_Bool | 1.002 | | W | | | 1 – Position 3 |
| | | 32 | Inner_ Setting_ Horizontal Air Direction Pos4 | 1 bit | DPT_Bool | 1.002 | | W | | | 1 – Position 4 |
| | | 33 | Inner_ Setting_ Horizontal Air Direction Pos5 | 1 bit | DPT_Bool | 1.002 | | W | | | 1 – Position 5 |
| | | 34 | Inner_ Setting_ Horizontal Air Direction Swing | 1 bit | DPT_Bool | 1.002 | | W | | | 1 - Swing |
| | | 35 | Inner_ Setting_ Horizontal Air Direction +/- | 1 bit | DPT_Step | 1.007 | | W | | | 0 - Up; 1 - Down |
| | Remote controller operation prohibition setting | 36 | Inner_ Setting_ Centrally Control (All Mode) | 1 bit | DPT_Bool | 1.002 | | W | | | 0 - Not inhibit; 1 - Inhibit |
| | | 37 | Inner_ Setting_ Centrally Control (Timer Mode) | 1 bit | DPT_Bool | 1.002 | | W | | | 0 - Not inhibit; 1 - Inhibit |
| | | 38 | Inner_ Setting_ Centrally Control (Set Temp) | 1 bit | DPT_Bool | 1.002 | | W | | | 0 - Not inhibit; 1 - Inhibit |
| | | 39 | Inner_ Setting_ Centrally Control (Operation Mode) | 1 bit | DPT_Bool | 1.002 | | W | | | 0 - Not inhibit; 1 - Inhibit |
| | | 40 | Inner_ Setting_ Centrally Control (ON/OFF Mode) | 1 bit | DPT_Bool | 1.002 | | W | | | 0 - Not inhibit; 1 - Inhibit |
| | | 41 | Inner_ Setting_ Centrally Control (ON Mode) | 1 bit | DPT_Bool | 1.002 | | W | | | 0 - Not inhibit; 1 - Inhibit |
| | | 42 | Inner_ Setting_ Centrally Control (Filter Reset) | 1 bit | DPT_Bool | 1.002 | | W | | | 0 - Not inhibit; 1 - Inhibit |
| | Filter sign reset | 43 | Inner_ Setting_ Filter Sign Reset | 1 bit | DPT_Bool | 1.002 | | W | | | 0 - No change; 1 - Reset |
| | Economy mode | 44 | Inner_ Setting_ Economy Mode Operation | 1 bit | DPT_Enable | 1.003 | | W | | | 0 - Normal operation; 1 - Save operation |
| | Thermo-off | 45 | Inner_ Setting_ Thermostat Off | 1 bit | DPT_Bool | 1.002 | | W | | | 0 - Release; 1 - Thermo-off |
| | Human detection | 46 | Inner_ Setting_ Human Detection Auto Save | 1 bit | DPT_Bool | 1.002 | | W | | | 0 - No operation; 1 - Operation |
| | | 47 | Inner_ Setting_ Human Detection Auto Save Set Time | 2 byte | DPT_Time-PeriodMin | 7.006 | | W | | | (min) |
| | | 48 | Inner_ Setting_ Human Detection Auto Off | 1 bit | DPT_Bool | 1.002 | | W | | | 0 - No operation; 1 - Operation |
| | | 49 | Inner_ Setting_ Human Detection Auto Off Time | 2 byte | DPT_Time-PeriodMin | 7.006 | | W | | | (min) |
| | Scene | 50 | Inner_ Setting_ Execute Scene | 1 byte | DPT_Scene-Number | 17.001 | | W | | | 1 - Scene 1; 2 - Scene 2; 3 - Scene 3; 4 - Scene 4; 5 - None |
| | | 51 | Inner_ Setting_ Execute Scene 1 | 1 bit | DPT_Bool | 1.002 | | W | | | 1 - Execute Scene 1 |
| | | 52 | Inner_ Setting_ Execute Scene 2 | 1 bit | DPT_Bool | 1.002 | | W | | | 1 - Execute Scene 2 |
| | | 53 | Inner_ Setting_ Execute Scene 3 | 1 bit | DPT_Bool | 1.002 | | W | | | 1 - Execute Scene 3 |
| | | 54 | Inner_ Setting_ Execute Scene 4 | 1 bit | DPT_Bool | 1.002 | | W | | | 1 - Execute Scene 4 |

| Clas-sifica-tion | FUNCTION | OBJECT NUMBER | NAME | LENGTH | DATAPOINT TYPE | | FLAGS | | | | Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | DPT_NAME | DPT_ID | R | W | T | U | |
| Status Object | Operation mode | 55 | Inner_ Monitoring_ Operation Mode [HVAC] | 1 byte | DPT_HVAC-ContrMode | 20.105 | R | | T | | 0 - Auto; 1 - Heat; 3 - Cool; 9 - Fan; 14 - Dry |
| | | 56 | Inner_ Monitoring_ Operation Mode | 1 byte | DPT_Scaling | 5.001 | R | | T | | 20% - Auto; 40% - Heat; 60% - Cool; 80% - Fan; 100% - Dry |
| | | | Inner_ Monitoring_ Operation Mode | 1 byte | DPT_Enumeration_1 (Operation Mode) | | R | | T | | 1 - Auto; 2 - Heat; 3 - Cool; 4 - Fan; 5 - Dry |
| | | 57 | Inner_ Monitoring_ Operation Mode Auto | 1 bit | DPT_Bool | 1.002 | R | | T | | 1 - Auto |
| | | 58 | Inner_ Monitoring_ Operation Mode Heat | 1 bit | DPT_Bool | 1.002 | R | | T | | 1 - Heat |
| | | 59 | Inner_ Monitoring_ Operation Mode Cool | 1 bit | DPT_Bool | 1.002 | R | | T | | 1 - Cool |
| | | 60 | Inner_ Monitoring_ Operation Mode Fan | 1 bit | DPT_Bool | 1.002 | R | | T | | 1 - Fan |
| | | 61 | Inner_ Monitoring_ Operation Mode Dry | 1 bit | DPT_Bool | 1.002 | R | | T | | 1 - Dry |
| | | 62 | Inner_ Monitoring_ Operation Mode Text | 14 byte | DPT_String_ 8859_1 | 16.001 | R | | T | | ASCII String |
| | ON/OFF | 63 | Inner_ Monitoring_ Operation ON/OFF | 1 bit | DPT_Switch | 1.001 | R | | T | | 0 - Off; 1-On |
| | Set tem-perature | 64 | Inner_ Monitoring_ Set Temperature | 2 byte | DPT_Value_ Temp | 9.001 | R | | T | | (ºC) |
| | Airflow status | 65 | Inner_ Monitoring_ Airflow | 1 byte | DPT_Scaling | 5.001 | R | | T | | 13% - Auto; 27% - Quiet; 41% - Low; 55% - Med-Low; 70% - Med; 85% - Med-High; 100% - High |
| | | | Inner_ Monitoring_ Airflow | 1 byte | DPT_Enumeration_1 (Airflow) | | R | | T | | 1 - Auto; 2 - Quiet; 3 - Low; 4 - Med-Low; 5 - Med; 6 - Med-High; 7 - High |
| | | 66 | Inner_ Monitoring_ Airflow Auto | 1 bit | DPT_Bool | 1.002 | R | | T | | 1 - Auto |
| | | 67 | Inner_ Monitoring_ Airflow Quiet | 1 bit | DPT_Bool | 1.002 | R | | T | | 1 – Quiet |
| | | 68 | Inner_ Monitoring_ Airflow Low | 1 bit | DPT_Bool | 1.002 | R | | T | | 1 – Low |
| | | 69 | Inner_ Monitoring_ Airflow Med-Low | 1 bit | DPT_Bool | 1.002 | R | | T | | 1 – Med-Low |
| | | 70 | Inner_ Monitoring_ Airflow Med | 1 bit | DPT_Bool | 1.002 | R | | T | | 1 – Med |
| | | 71 | Inner_ Monitoring_ Airflow Med-High | 1 bit | DPT_Bool | 1.002 | R | | T | | 1 – Med-High |
| | | 72 | Inner_ Monitoring_ Airflow High | 1 bit | DPT_Bool | 1.002 | R | | T | | 1 – High |
| | | 73 | Inner_ Monitoring_ Airflow Text | 14 byte | DPT_String_ 8859_1 | 16.001 | R | | T | | ASCII String |
| | Indoor tempera-ture | 74 | Inner_ Monitoring_ Room Temperature | 2 byte | DPT_Value_ Temp | 9.001 | R | | T | | (ºC) |
| | Error monitoring | 75 | Inner_ Monitoring_ Error Status Error/No error | 1 bit | DPT_Alarm | 1.005 | R | | T | | 0 - No error; 1 - Error |
| | | 76 | Inner_ Monitoring_ Error Status Error Code | 2 byte | DPT_Enumeration_2 (Error Code) | | R | | T | | (Error code section)(Error code subsection) |

| Clas-sifica-tion | FUNCTION | OBJECT NUMBER | NAME | LENGTH | DATAPOINT TYPE | | FLAGS | | | | Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | DPT_NAME | DPT_ID | R | W | T | U | |
| Status Object | Vertical air direction position status | 77 | Inner_ Monitoring_ Vertical Air Direction | 1 byte | DPT_Scaling | 5.001 | R | | T | | 20% - Position 1; 40% - Position 2; 60% - Position 3; 80% - Position 4; 100% - Swing |
| | | | Inner_ Monitoring_ Vertical Air Direction | 1 byte | DPT_Enumeration_1 (Vertical Air Direction) | | R | | T | | 1 - Position 1; 2 - Position 2; 3 - Position 3; 4 - Position 4; 5 - Swing |
| | | 78 | Inner_ Monitoring_ Vertical Air Direction Pos1 | 1 bit | DPT_Bool | 1.002 | R | | T | | 1 - Position 1 |
| | | 79 | Inner_ Monitoring_ Vertical Air Direction Pos2 | 1 bit | DPT_Bool | 1.002 | R | | T | | 1 - Position 2 |
| | | 80 | Inner_ Monitoring_ Vertical Air Direction Pos3 | 1 bit | DPT_Bool | 1.002 | R | | T | | 1 - Position 3 |
| | | 81 | Inner_ Monitoring_ Vertical Air Direction Pos4 | 1 bit | DPT_Bool | 1.002 | R | | T | | 1 - Position 4 |
| | | 82 | Inner_ Monitoring_ Vertical Air Direction Swing | 1 bit | DPT_Bool | 1.002 | R | | T | | 1 - Swing |
| | | 83 | Inner_ Monitoring_ Vertical Air Direction Text | 14 byte | DPT_ String_8859_1 | 16.001 | R | | T | | ASCII String |
| | Horizontal air direction position status | 84 | Inner_ Monitoring_ Horizontal Air Direction | 1 byte | DPT_Scaling | 5.001 | R | | T | | 16% - Position 1; 32% - Position 2; 49% - Position 3; 66% - Position 4; 83% - Position 5; 100% - Swing |
| | | | Inner_ Monitoring_ Horizontal Air Direction | 1 byte | DPT_Enumeration_1 (Horizontal Air Direction) | | R | | T | | 1 - Position 1; 2 - Position 2; 3 - Position 3; 4 - Position 4; 5 - Position 5; 6 - Swing |
| | | 85 | Inner_ Monitoring_ Horizontal Air Direction Pos1 | 1 bit | DPT_Bool | 1.002 | R | | T | | 1 - Position 1 |
| | | 86 | Inner_ Monitoring_ Horizontal Air Direction Pos2 | 1 bit | DPT_Bool | 1.002 | R | | T | | 1 - Position 2 |
| | | 87 | Inner_ Monitoring_ Horizontal Air Direction Pos3 | 1 bit | DPT_Bool | 1.002 | R | | T | | 1 - Position 3 |
| | | 88 | Inner_ Monitoring_ Horizontal Air Direction Pos4 | 1 bit | DPT_Bool | 1.002 | R | | T | | 1 - Position 4 |
| | | 89 | Inner_ Monitoring_ Horizontal Air Direction Pos5 | 1 bit | DPT_Bool | 1.002 | R | | T | | 1 - Position 5 |
| | | 90 | Inner_ Monitoring_ Horizontal Air Direction Swing | 1 bit | DPT_Bool | 1.002 | R | | T | | 1 - Swing |
| | | 91 | Inner_ Monitoring_ Horizontal Air Direction Text | 14 byte | DPT_ String_8859_1 | 16.001 | R | | T | | ASCII String |
| | Remote controller operation prohibition setting status | 92 | Inner_ Monitoring_ Centrally Control (All Mode) | 1 bit | DPT_Bool | 1.002 | R | | T | | 0 - Not inhibit; 1 - Inhibit |
| | | 93 | Inner_ Monitoring_ Centrally Control (Timer Mode) | 1 bit | DPT_Bool | 1.002 | R | | T | | 0 - Not inhibit; 1 - Inhibit |
| | | 94 | Inner_ Monitoring_ Centrally Control (Set Temperature) | 1 bit | DPT_Bool | 1.002 | R | | T | | 0 - Not inhibit; 1 - Inhibit |
| | | 95 | Inner_ Monitoring_ Centrally Control (Operation Mode) | 1 bit | DPT_Bool | 1.002 | R | | T | | 0 - Not inhibit; 1 - Inhibit |
| | | 96 | Inner_ Monitoring_ Centrally Control (ON/OFF Mode) | 1 bit | DPT_Bool | 1.002 | R | | T | | 0 - Not inhibit; 1 - Inhibit |
| | | 97 | Inner_ Monitoring_ Centrally Control (ON Mode) | 1 bit | DPT_Bool | 1.002 | R | | T | | 0 - Not inhibit; 1 - Inhibit |
| | | 98 | Inner_ Monitoring_ Centrally Control (Filter Reset) | 1 bit | DPT_Bool | 1.002 | R | | T | | 0 - Not inhibit; 1 - Inhibit |
| | Filter sign status | 99 | Inner_ Monitoring_ Filter Sign | 1 bit | DPT_Bool | 1.002 | R | | T | | 0 - No sign; 1 - Filter sign |
| | Economy mode | 100 | Inner_ Monitoring_ Economy Mode Operation | 1 bit | DPT_Enable | 1.003 | R | | T | | 0 - Normal operation; 1 - Save operation |

| Clas-sifica-tion | FUNCTION | OBJECT NUMBER | NAME | LENGTH | DATAPOINT TYPE | | FLAGS | | | | Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | DPT_NAME | DPT_ID | R | W | T | U | |
| Status Object | Special status monitoring | 101 | Inner_ Monitoring_ Specific Status Defrosting | 1 bit | DPT_Bool | 1.002 | R | | T | | 0 - No defrosting status; 1 - Defrosting status |
| | | 102 | Inner_ Monitoring_ Specific Status Oil Recovery | 1 bit | DPT_Bool | 1.002 | R | | T | | 0 - No oil recovery status; 1 - Oil recovery status |
| | | 103 | Inner_ Monitoring_ Specific Status Pump Down | 1 bit | DPT_Bool | 1.002 | R | | T | | 0 - No pump down status; 1 - Pump down status |
| | Thermo-off | 104 | Inner_ Monitoring_ Thermostat Off | 1 bit | DPT_Bool | 1.002 | R | | T | | 0 - Release; 1 - Thermo-off |
| | Demand | 105 | Inner_ Monitoring_ Demand Control | 1 byte | DPT_Val-ue_1_Ucount | 5.010 | R | | T | | 0 - No operation; 1 - DRM 1; 2 - DRM 2; 3 - DRM 3 |
| | Human detection | 106 | Inner_ Monitoring_ Human Detection Auto Save | 1 bit | DPT_Bool | 1.002 | R | | T | | 0 - No operation; 1 - Operation |
| | | 107 | Inner_ Monitoring_ Human Detection Auto Save Set Time | 2 byte | DPT_Time-PeriodMin | 7.006 | R | | T | | (min) |
| | | 108 | Inner_ Monitoring_ Human Detection Auto Off | 1 bit | DPT_Bool | 1.002 | R | | T | | 0 - No operation; 1 - Operation |
| | | 109 | Inner_ Monitoring_ Human Detection Auto Off Set Time | 2 byte | DPT_Time-PeriodMin | 7.006 | R | | T | | (min) |
| | Scene | 110 | Inner_ Monitoring_ Current Scene | 1 byte | DPT_Scene Number | 17.001 | R | | T | | 1 - Scene 1; 2 - Scene 2; 3 - Scene 3; 4 - Scene4; 5 - None; |
| | Convertor Informa-tion | 111 | Convertor_ Monitoring_ Model Name Information | 14 byte | DPT_String_ 8859_1 | 16.001 | R | | T | | ASCII String |
| | | 112 | Convertor_ Monitoring_ Software Version Information | 14 byte | DPT_String_ 8859_1 | 16.001 | R | | T | | ASCII String |
| | Error monitoring | 113 | Convertor_ Monitoring_ Error Status Error/No Error | 1 bit | DPT_Alarm | 1.005 | R | | T | | 0 - No Alarm; 1 - Alarm |
| | | 114 | Convertor_ Monitoring_ Error Status Error Code | 2 byte | DPT_Enumeration_2 (Error Code) | | R | | T | | (Error code section)(Error code subsection) |