

## API COMMANDS

### SET (Analog Input)

Sends a defined value to an input of a function block.

**Syntax:**

SET(FunctionBlock;Input;Value)

|                | Description  | Comment |
|----------------|--|---------|
| Function Block | Abbreviation of the function block to which the command should be sent.  |         |
| Input          | Abbreviation of the input to which the command should be sent.   |         |
| Value          | Value to be sent to the input of the function block. If the field is left empty, the value is taken from the Touch Pure Flex Button. |         |

### SET (Digital Input)

Sends a defined value to an input of a function block.

**Syntax:**

SET(FunctionBlock; Input; Value)

|                | Description   | Comment |
|----------------|---|---------|
| Function Block | Abbreviation of the function block to which the command should be sent.   |         |
| Input          | Abbreviation of the input to which the command should be sent.  |         |
| Value          | Value to be sent to the input of the function block. If the field is left empty, the value is taken from the Touch Pure Flex Button. Possible values: |         |

- pulse: Sends a pulse when pressing the button on the Touch Pure Flex.
- On: Sends a 1 when pressing the button on the Touch Pure Flex.
- Off: Sends a 0 when pressing the button on the Touch Pure Flex.

## SETT5

Set a specific button of a T5 input.

### Syntax:

SETT5(FunctionBlock; Input; T5-Button;[Value])

|                | Description  | Comment |
|----------------|--|---------|
| Function Block | Abbreviation of the function block to which the command should be sent.  |         |
| Input          | Abbreviation of the input to which the command should be sent.   |         |
| T5-Button      | T5-button for which the value should be set. (1: Shading up, 2: Volume up, 3: Light, 4: Shading down, 5: Volume down)  |         |
| Value          | Value to be sent to the input of the function block. If the field is left empty, the value is taken from the Touch Pure Flex Button. Possible values: <ul style="list-style-type: none"> <li>- pulse: Sends a pulse when pressing the button on the Touch Pure Flex.</li> <li>- On: Sends a 1 when pressing the button on the Touch Pure Flex.</li> <li>- Off: Sends a 0 when pressing the button on the Touch Pure Flex.</li> </ul> |         |

## MENU (Analog Input)

Implements a value select on via the up-down buttons on the Touch Pure Flex.

The user can select between different texts, after selecting a text the corresponding value is sent to the function block.

The value-text pairs can be defined in the options of the command. If no value-text pairs are defined it is tried to fill them automatically, this is possible for some function blocks (e.g. Mood of Lighting Controller, Fav of Audio Player,...). Other function blocks display the numeric value.

### Syntax:

MENU(FunctionBlock;Input;[Value1:Text1];[Value2:Text2];...)

|                | Description  | Comment |
|----------------|--|---------|
| Function Block | Abbreviation of the function block to which the command should be sent.  |         |
| Input          | Abbreviation of the input to which the command should be sent.   |         |
| Start value    | Value that is initially set when the button is clicked and starting value of the selection. If empty the current value is used.<br>Special values: '+' Increases the current value, '-' Decreases the current value. |         |
| ValueX:TextX   | ValueX=Value to be sent when the text is selected.<br>TextX=Text to be shown on the display.   |         |

## VALUESELECT (Analog Input)

Implements a value selection via the up-down buttons on the Touch Pure Flex.

The selection range and the step size can be defined using the options of the command. If not defined the values are taken automatically from the selected input."

### Syntax:

VALUESELECT(FunctionBlock;Input;[Value];[MinValue];[MaxValue];[Stepsize];[Unit])

|  | Description | Comment |
|--|-------------|---------|
|--|-------------|---------|

|                |  |  |
|----------------|--|--|
| Function Block | Abbreviation of the function block to which the command should be sent.  |  |
| Input          | Abbreviation of the input to which the command should be sent.   |  |
| Start value    | Value that is initially set when the button is clicked and starting value of the selection. If empty the current value is used.<br>Special values: '+' Increases the current value, '-' Decreases the current value. |  |
| MinValue       | Defines the allowed minimum value.   |  |
| MaxValue       | Defines the allowed maximum value.   |  |
| Stepsize       | Defines the step size.   |  |
| Unit           | Defines the unit.  |  |

## TIMESELECT

Implements a time selection in minutes via the up-down buttons on the Touch Pure Flex.

### Syntax:

TIMESELECT(FunctionBlock;Input;[Start-Time];[Stepsize])

|                | Description  | Comment |
|----------------|--|---------|
| Function Block | Abbreviation of the function block to which the command should be sent.  |         |
| Input          | Abbreviation of the input to which the command should be sent.   |         |
| Start value    | Value that is initially set when the button is clicked and starting value of the selection. If empty the current value is used.<br>Special values: '+' Increases the current value, '-' Decreases the current value. |         |

|          |                        |  |
|----------|------------------------|--|
| Stepsize | Defines the step size. |  |
|          |                        |  |

## WAIT

Wait for the specified duration until executing the next API command.

### Syntax:

WAIT(Time)

|      | Description               | Comment |
|------|---------------------------|---------|
| Time | Wait time in Milliseconds |         |

## GETINPUT

Get the current value from an input or a parameter of a control.

### Syntax:

GETINPUT(FunctionBlock;Input;[Value1:Text1];[Value2:Text2];...)

|                | Description   | Comment |
|----------------|---|---------|
| Function Block | Abbreviation of the function block to which the command should be sent. |         |
| Input          | Abbreviation of the input from which the value should be get.           |         |
| ValueX:TextX   | ValueX=Value that is replaced with the text TextX.                      |         |

## GETOUTPUT

Get the current value from an input or a parameter of a control.

### Syntax:

GETOUTPUT(FunctionBlock;Output;[Value1:Text1];[Value2:Text2];...)

|  | Description | Comment |
|--|-------------|---------|
|--|-------------|---------|

|                |   |  |
|----------------|---|--|
| Function Block | Abbreviation of the function block to which the command should be sent. |  |
| Input          | Abbreviation of the output from which the value should be get.          |  |
| ValueX:TextX   | ValueX=Value that is replaced with the text TextX.                      |  |

## ECHO

Listen to responses of function blocks and display the response. For example a Lightcontroller sends the current active light mood when it is changed. Or a shading block sends the text 'LOCKED' when trying to move it while it's locked. This text is then displayed on the Touch Pure Flex and thus provides feedback to the user.

The command is active as long as the overrun duration of the Touch Pure Flex or a different button is pressed.

### Syntax:

ECHO(FunctionBlock)

|               | Description   | Comment |
|---------------|---|---------|
| FunctionBlock | Abbreviation of the function block for which to allow to display texts. All other controls are ignored. |         |
|               |   |         |

## Chaining multiple commands

It is also possible to chain several commands. An = sign must be set at the beginning and the concatenation is done with an AND sign (&). The commands are executed one after the other. When a button is pressed again, the running command is restarted

### Syntax:

=Command1()&Command2()&Command3()&...

## Display Text

API commands can also be used for the display text of the Touch Pure Flex, a formula must start with a '=' here,

otherwise it will be interpreted as pure text. As an example, the volume is increased with the API command and this is then shown on the display after a short waiting time (time is necessary for the volume to be increased, otherwise the previous volume is displayed).

Only the WAIT, GETINPUT, GETOUTPUT & ECHO commands or texts are useful here.

| API Command      | Display Text                 | Spe |
|------------------|------------------------------|-----|
| -                | Different assignments        | -   |
| SET(AP;V+;pulse) | =WAIT(500)&GET(AP;AQVoI)&"%" | -   |

## Nesting

Nesting, for example, a GET in a SET is currently not supported!