

APPLICATION PROGRAM INFORMATION

2/4/6CH Curtain Controller

M/W02.10.1, M/W04.10.1, M/W06.10.1

KNX/EIB-BUS

Document Version: 1.0, Date: _____

This document describes the M/W02.10.1, M/W04.10.1, M/W06.10.1-functions with the KNX-product- application: _____

Compiled by (english name): _____

HDL-Position: _____

Location: _____ Date: _____ Signature: _____

Approved by (english name): _____

HDL-Position: _____

Location: _____ Date: _____ Signature: _____

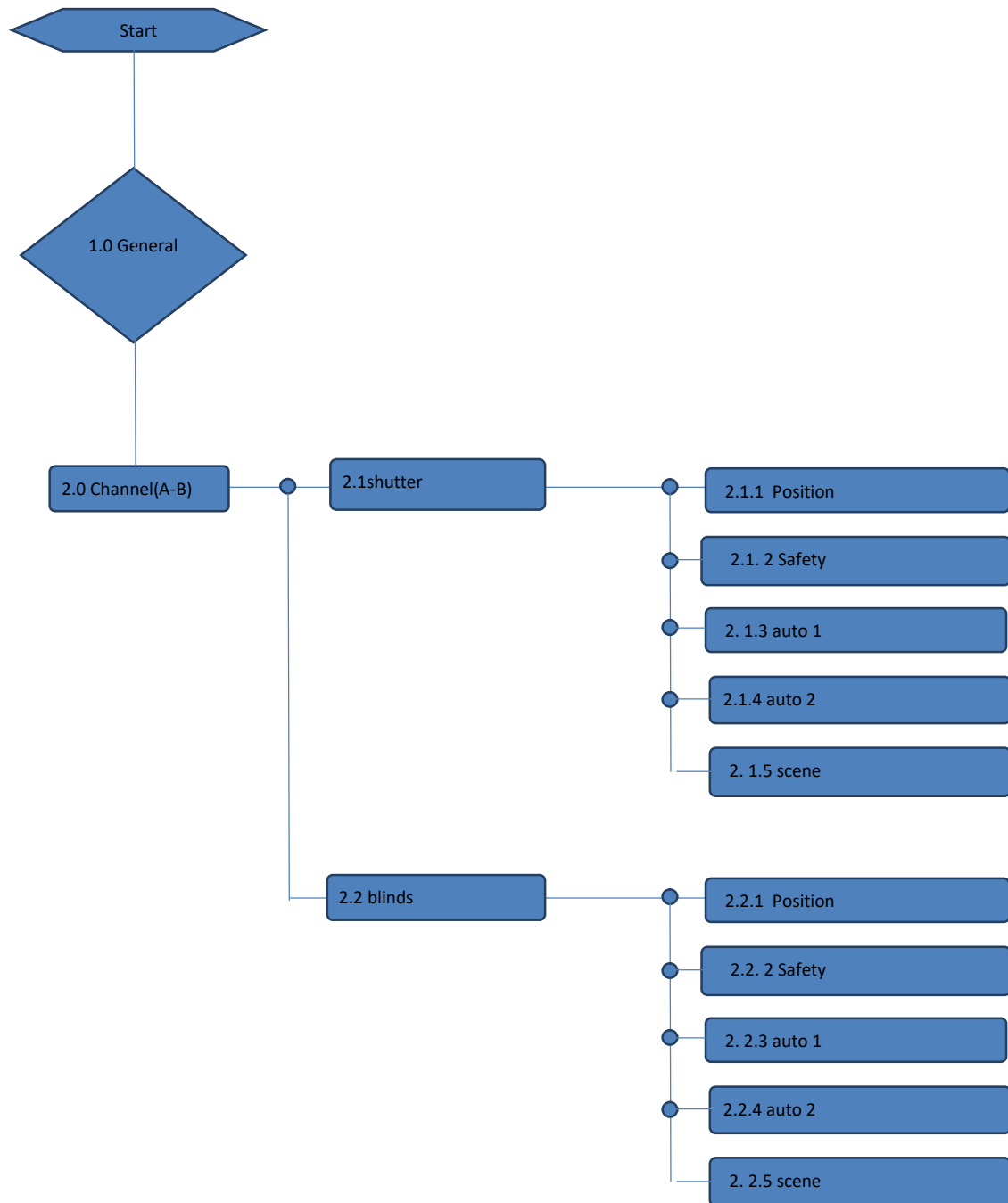
| Document History | | | |
|------------------|------------|-------------|-----------------------|
| Version | Date | Comments | Author (english name) |
| 1.0 | 27.12.2014 | First issue | |
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- A. General description
- B. Function overview flowchart
- C. Function description
- D. Communication objects

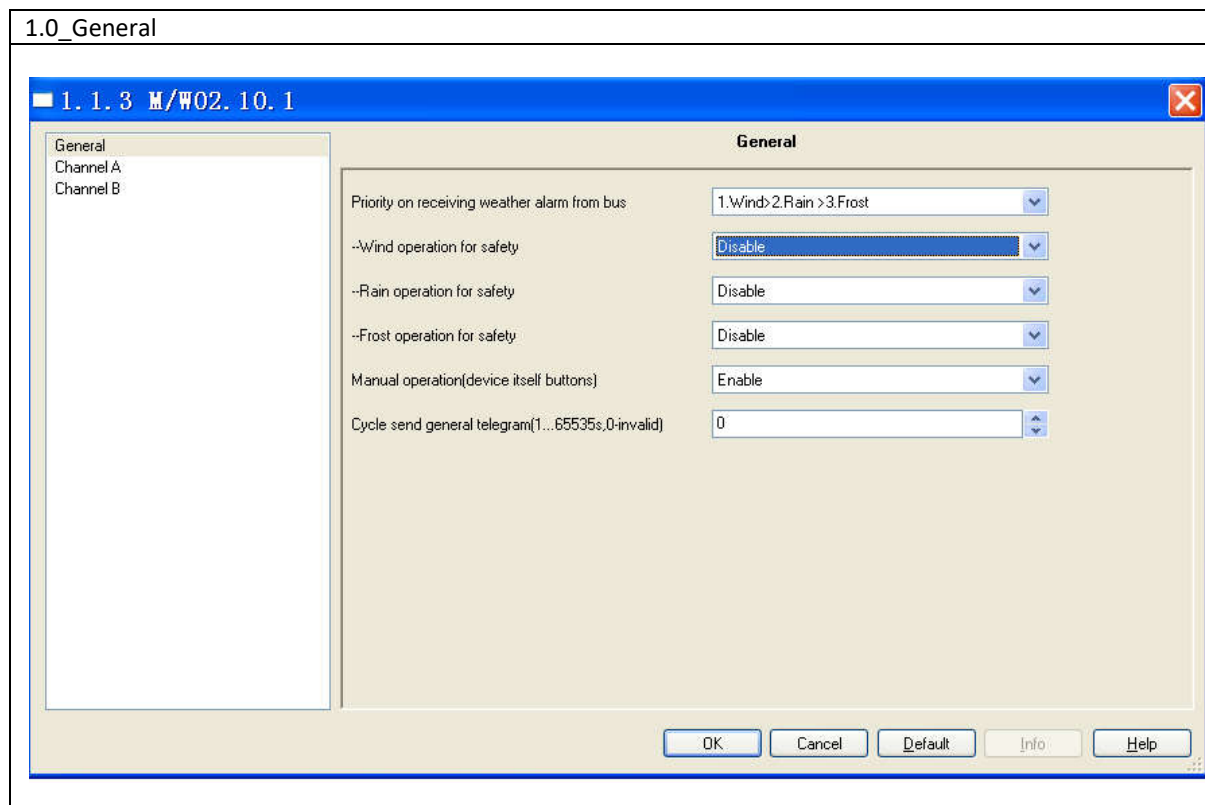
A.

The curtain controller is used to operate the shutter or blind. This manual contains the programming of this device.

B.
 2/4/6CH curtain controller's setting is same. Here, take 2CH curtain controller as an example.

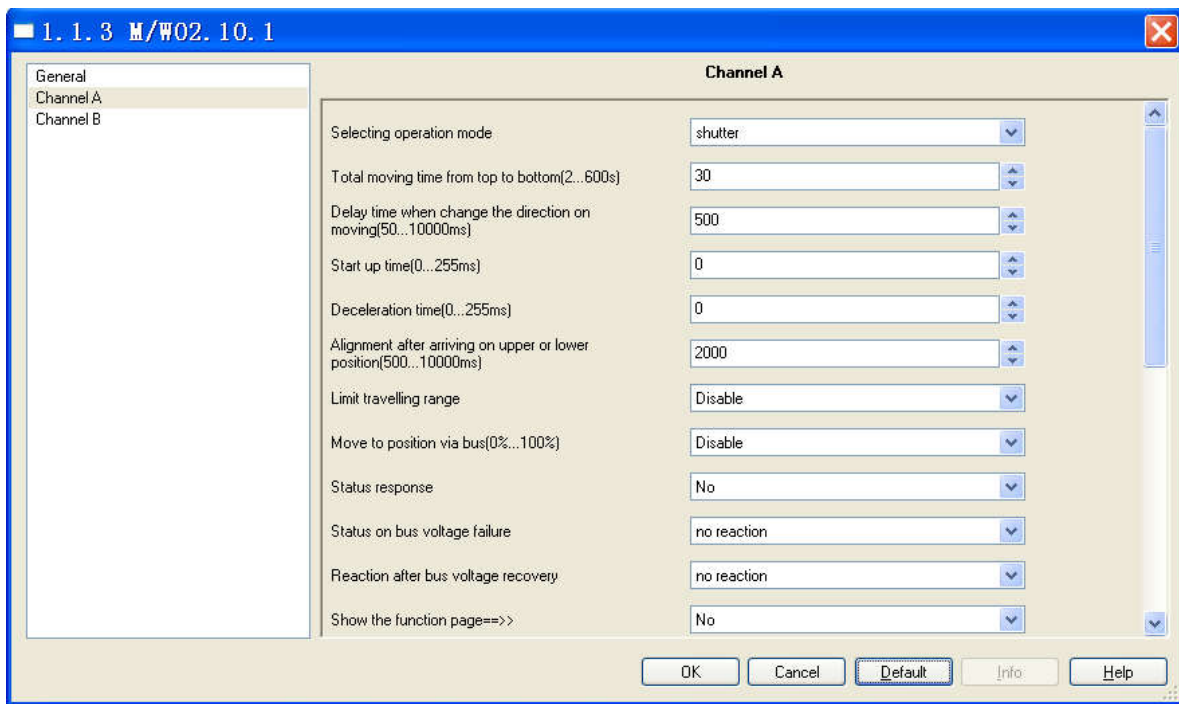


C.



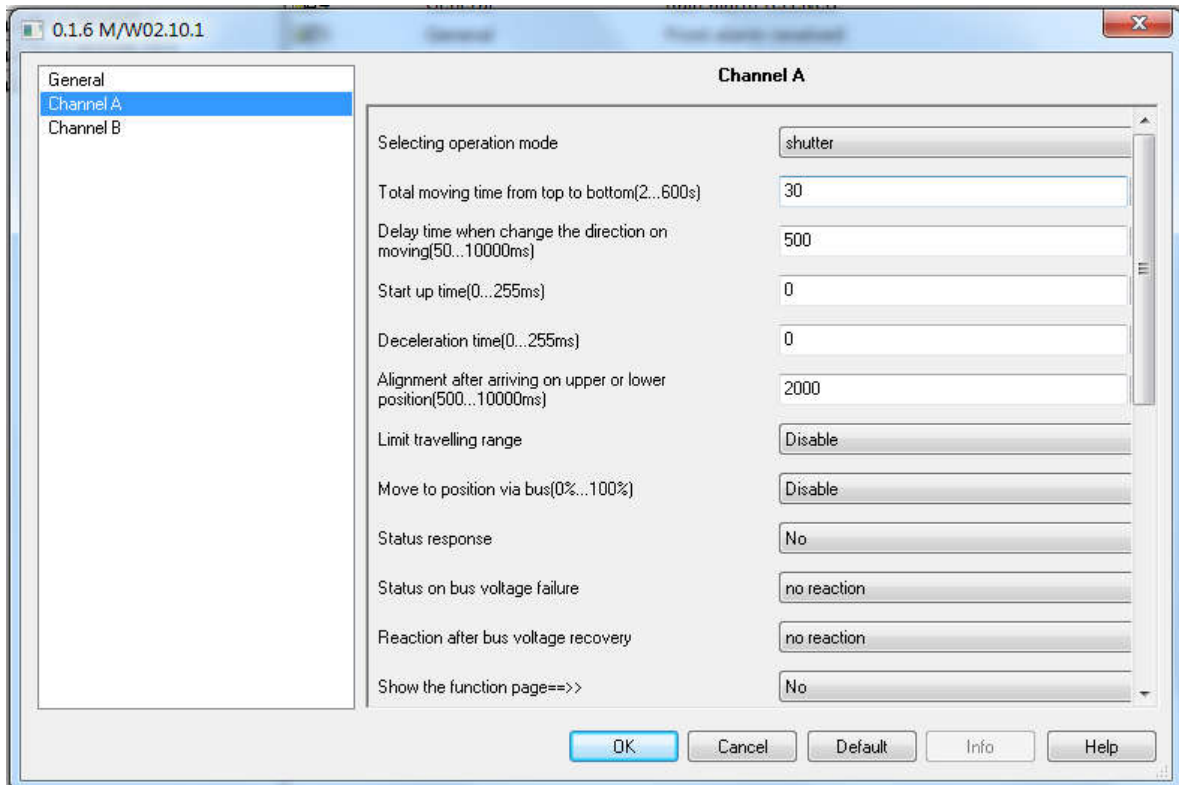
| No. | ETS-Parameter | Range (default) | Description |
|-----|---|--|---|
| 1 | Priority on receiving weather alarm from bus | -(1.Wind>2.Rain>3.Frost) -1.Wind>2.Frost>3.Rain -1.Rain>2.Wind>3.Frost -1.Rain>2.Frost>3.Wind -1.Frost>2.Wind>3.Rain -1.Frost>2.Rain>3.Wind | Set the parameter about priority of the weather alarm. If receives more than 1 parameter at the same time, the highest priority weather signal is valid |
| 2 | Wind operation for safety | -Enable -(Disable) | Enable/Disable wind alarm received |
| 3 | ->Weak wind alarm received | -Enable -(Disable) | Enable/Disable weak wind alarm received |
| 4 | ->Slight wind alarm received | -Enable -(Disable) | Enable/Disable slight wind alarm received |
| 5 | ->Strong wind alarm received | -Enable -(Disable) | Enable/Disable strong wind alarm received |
| 6 | ->Monitoring wind period(1...2000s,0-invalid) | (0)...1...2000s | Set the monitoring wind period, 0 is invalid |
| 7 | Rain operation for safety | -Enable -(Disable) | Enable/Disable rain alarm received |
| 8 | ->Monitoring rain period(1...2000s,0-invalid) | (0)...1...2000s | Set the monitoring rain period, 0 is invalid |
| 9 | Frost operation for safety | -Enable -(Disable) | Enable/Disable frost alarm received |
| 10 | ->Monitoring frost period(1...2000s,0-invalid) | (0)...1...2000s | Set the monitoring frost period, 0 is invalid |
| 11 | Manual operation(device itself buttons) | -(Enable) Disable | Enable/Disable manual function |
| 12 | Cycle send general telegram(1...65535s,0-invalid) | (0)...1...65535s | Set the time to send the telegram data cyclically, if you set 0, will disable the function |

2.0_Channel A-B



| No. | ETS-Parameter | Range (default) | Description |
|-----|--------------------------|-----------------------|--|
| 13 | Selecting operation mode | -(shutter) -blinds | Select the operation mode for the module |

2.1_shutter

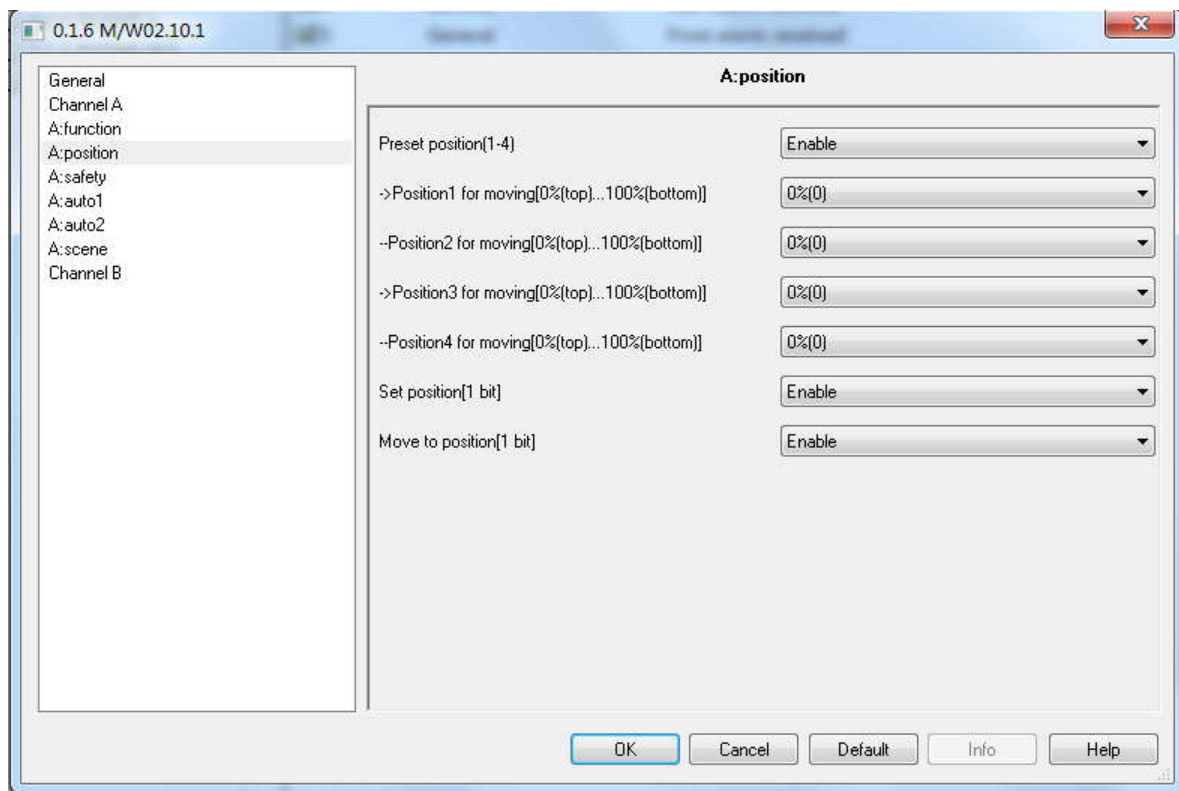


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|----|-------------------------------|------------------|------------------------------|
| 14 | Total moving time from top to | 2...(30)s...600s | Set the moving time from top |
|----|-------------------------------|------------------|------------------------------|

| | button(2...600s) | | to button |
|----|---|--|---|
| 15 | Delay moving time when change the direction on moving(50...10000ms) | 50...(500)...10000ms | Select the delay moving time |
| 16 | Start up time | (0)...255ms | Set the start up time of the drive |
| 17 | Deceleration time(0...255ms) | (0)...255ms | Set the deceleration time of the drive |
| 18 | Alignment after arriving on upper or lower position(500...10000ms) | 500...(2000)...10000ms | Set the time when the shutter/blinds continue to move up or down after arriving upper or lower position |
| 19 | Limit travelling range | -Enable -(Disable) | Enable/Disable the range of shutter/blinds travel |
| 20 | ->Upper limit (0%...100%) | (0)...100% | Set the value of upper limit |
| 21 | ->Lower limit (0%...100%) | 0...(100)%(255) | Set the value of lower limit |
| 22 | Move the position via bus (0%...100%) | -Enable -(Disable) | Enable/disable move the position |
| 23 | Status response | -Enable -(Disable) | Enable/disable status response |
| 24 | ->Send position (0%...100%) | -Enable -(Disable) | Enable/disable shutter/blinds position communication object |
| 25 | ->Send limit position reached(1-reached) | -Enable -(Disable) | Enable/disable limit position status communication |
| 26 | ->Send status of automatic control(1-activated) | -Enable -(Disable) | Enable/disable automatic control status communication object |
| 27 | ->Send status of forced operation alarm(1-alarm) | -Enable -(Disable) | Enable/ disable forced operation status communication object |
| 28 | Status on bus voltage failure | -(no reaction) -up -down -stop | Set the status when the bus voltage is failure up: The Shutter/Blinds will move to up after bus voltage failure. down: The Shutter/Blinds will move to down after bus voltage failure. stop: The Shutter/Blinds will stop after bus voltage failure. |
| 29 | Reaction after bus voltage recovery | -(no reaction) -up -down -stop -set position | Set the reaction when the bus voltage is recovery up: The Shutter/Blinds will move to up after bus voltage recovery. down: The Shutter/Blinds will move to down after bus voltage recovery. stop: The Shutter/Blinds will stop after bus voltage recovery. set position: set position or louver value is displayed. |

| | | | |
|------------------|--|-----------------------|--|
| 30 | ->Output position value | (0)...100% | Set the range of the position value |
| 31 | Show the function page==>> | -(No) -Yes | Enable/disable the function page |
| Function: | | | |
| 32 | Position function control | -Enable -(Disable) | Enable/disable the position function |
| 33 | Safety function control | -Enable -(Disable) | Enable/disable the safety function |
| 34 | Auto 1 function for sun | -Enable -(Disable) | Enable/disable the auto 1 function for sun |
| 35 | -> Auto 2 function for heating/cooling | -Enable -(Disable) | Enable/disable the auto 2 function for sun |
| 36 | Scene function control | -Enable -(Disable) | Enable/disable scene function for sun |

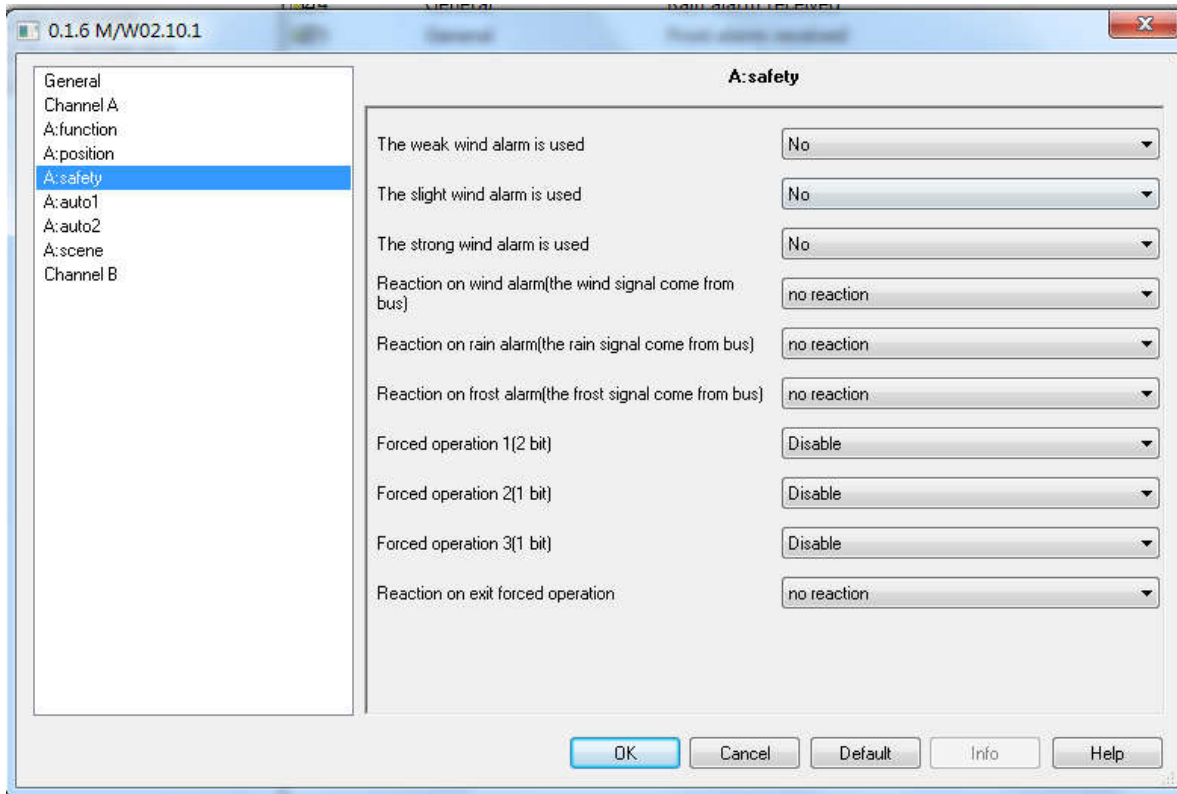
2.1.1_Position



| | | | |
|----|--|-----------------------|---|
| 37 | Preset position(1-4) | -Enable -(Disable) | Enable/disable the preset function |
| 38 | ->Position 1 for moving[0%(top)...100%(button)] | (0)...100 | Set the parameter for position 1 moving |
| 39 | ->Position 2 for moving[0%(top)...100%(button)] | (0)...100 | Set the parameter for position 2 moving |
| 40 | ->Position 3 for moving[0%(top)...100%(button)] | (0)...100 | Set the parameter for position 3 moving |
| 41 | ->Position 4 for moving[0%(top)...100%(button)] | (0)...100 | Set the parameter for position 4 moving |

| | | | |
|----|------------------------|-----------------------|-------------------------------------|
| 42 | Set position(1 bit) | -Enable -(Disable) | Enable/disable the position setting |
| 43 | Move to position(1bit) | -Enable -(Disable) | Enable/disable the position moving |

2.1.2_Safety

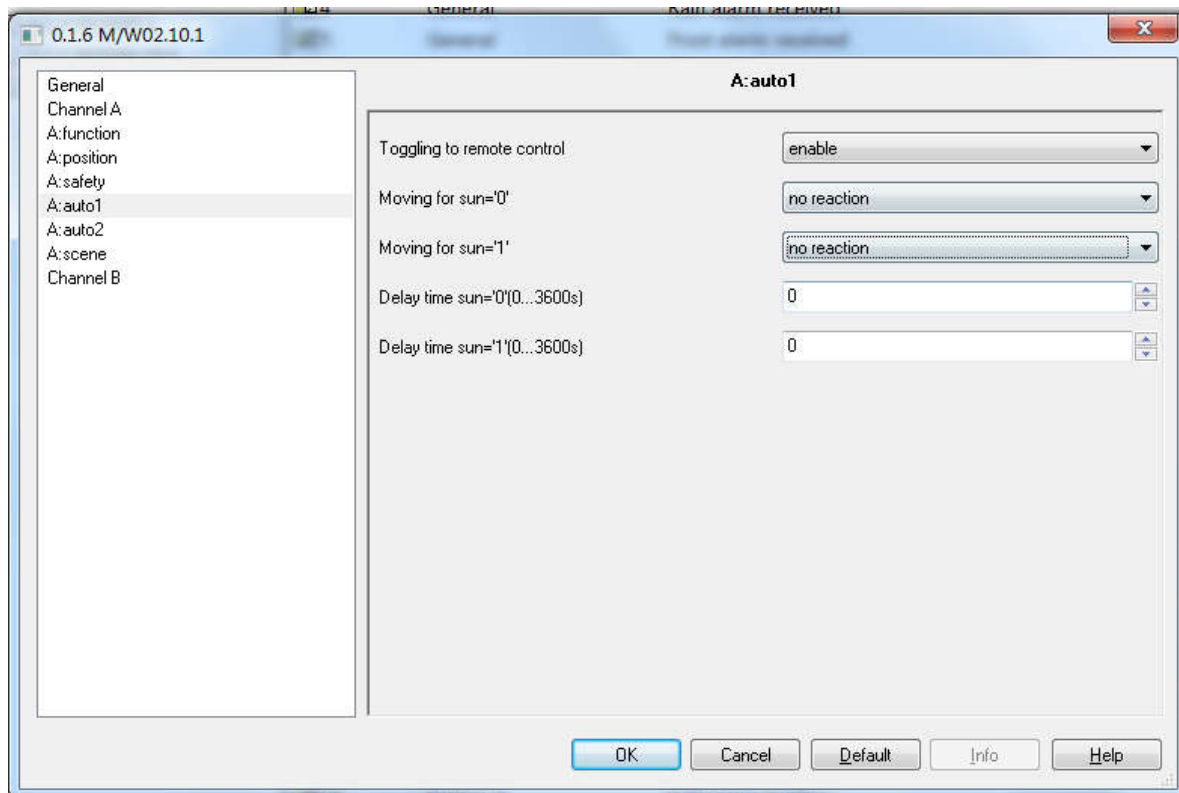


| | | | |
|----|---|---|--|
| 44 | The weak wind alarm is used | -(No) -Yes | If select "Yes", the communication object is valid |
| 45 | The slight wind alarm is used | -(No) -Yes | If select "Yes", the communication object is valid |
| 46 | The strong wind alarm is used | -(No) -Yes | If select "Yes", the communication object is valid |
| 47 | Reaction on wind alarm(the wind signal come from bus) | -(No reaction) -Up -Down -Stop | Set the status for the wind alarm no reaction: the Shutter/Blinds is on reaction when receive wind(rain/frost) signal. up: the Shutter/Blinds move to up when receive wind(rain/frost) signal. down: the shutter/blinds move to down when receive wind(rain/frost) signal. stop: the Shutter/Blinds stop when receive wind(rain/frost) signal. |
| 48 | Reaction on rain alarm(the rain signal come from bus) | -(No reaction) -Up -Down -Stop | Set the status for the rain alarm no reaction: the Shutter/Blinds is on reaction |

| | | | |
|----|---|--|--|
| | | | <p>when receive wind(rain/frost) signal.</p> <p>up: the Shutter/Blinds move to up when receive wind(rain/frost) signal.</p> <p>down: the shutter/blinds move to down when receive wind(rain/frost) signal.</p> <p>stop: the Shutter/Blinds stop when receive wind(rain/frost) signal.</p> |
| 49 | Reaction on frost alarm(the frost signal come from bus) | <p>-(No reaction)</p> <p>-Up</p> <p>-Down</p> <p>-Stop</p> | <p>Set the status for the frost alarm</p> <p>no reaction: the Shutter/Blinds is on reaction when receive wind(rain/frost) signal.</p> <p>up: the Shutter/Blinds move to up when receive wind(rain/frost) signal.</p> <p>down: the shutter/blinds move to down when receive wind(rain/frost) signal.</p> <p>stop: the Shutter/Blinds stop when receive wind(rain/frost) signal.</p> |
| 50 | Forced operation1(2 bit) | <p>-Enable</p> <p>-(Disable)</p> | Enable/disable forced operation 1 |
| 51 | Forced operation2(1 bit) | <p>-Enable</p> <p>-(Disable)</p> | Enable/disable forced operation 2 |
| 52 | -> Output position value | (0)...100% | Set the value for output position |
| 53 | Forced operation3(1 bit) | <p>-Enable</p> <p>-(Disable)</p> | Enable/disable forced operation 3 |
| 54 | -> Output position value | (0)...100% | Set the value for output position |

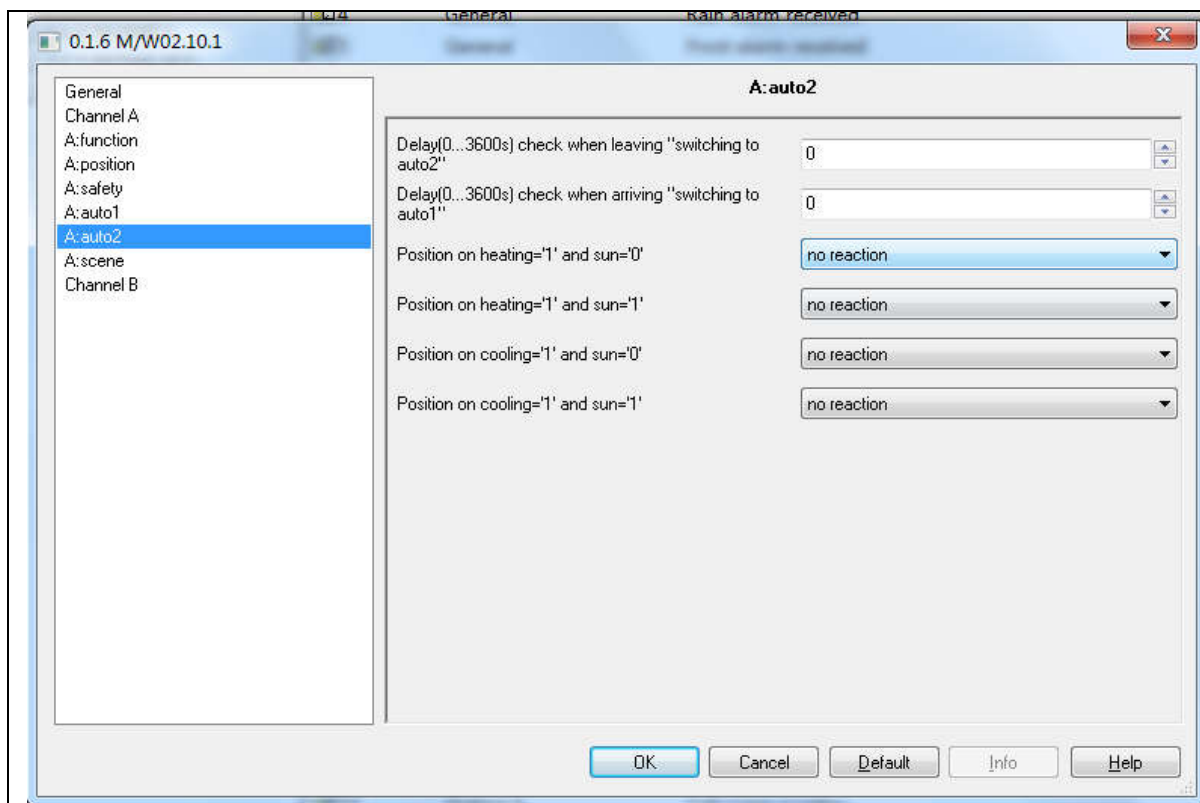
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| 55 | Reaction on exit forced operation | -(No reaction) -Up -Down -Stop -last position | <p><i>Set the status when exit forced operation</i></p> <p><i>no reaction: the Shutter/Blinds is no reaction when exit forced operation.</i></p> <p><i>up: the Shutter/Blinds move to up when exit forced operation.</i></p> <p><i>down: the Shutter/Blinds move to down when exit forced operation.</i></p> <p><i>stop: the Shutter/Blinds stop when exit forced operation.</i></p> <p><i>Last position: the Shutter/Blinds move to last position when exit forced operation.</i></p> |
|----|-----------------------------------|---|--|

2.1.3_auto 1



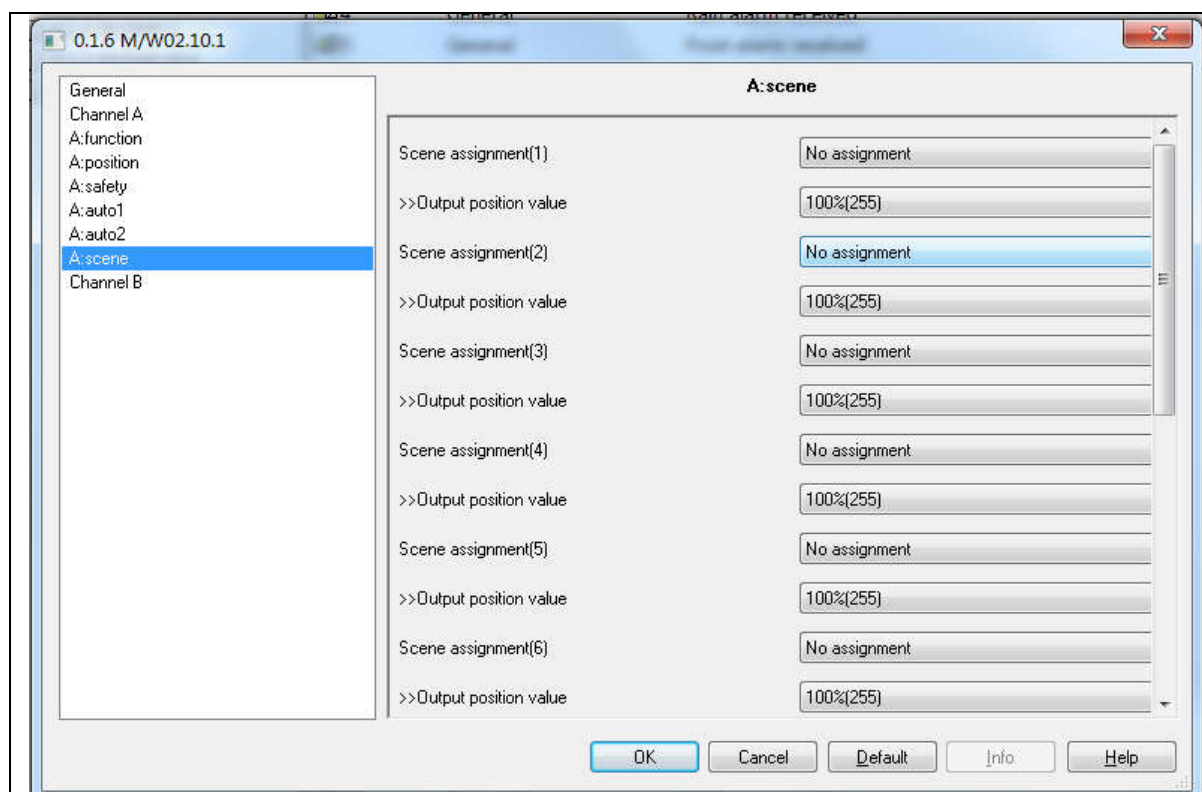
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| 56 | Toggling to remote control | -(Enable) -Communication object enable/disable | <p><i>Set the remote control</i></p> <p><i>Enable: Enable the remote control</i></p> <p><i>Communication object</i></p> |
|----|----------------------------|--|---|

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| | | | <i>enable/disable: Enable/disable the communication object</i> |
| 57 | Moving for sun= '0' | <ul style="list-style-type: none"> - (No reaction) - Up - Down - Stop - Position 1 - Position 2 - Position 3 - Position 4 - Receive percentage value(8bits) | <p><i>Set the status when send the telegram '0'(no sun)</i></p> <p><i>No reaction: when send the telegram '0', the module will no reaction</i></p> <p><i>Up: when send the telegram '0', the module will move up</i></p> <p><i>Down: when send the telegram '0', the module will move down</i></p> <p><i>Stop: when send the telegram '0', the module will stop</i></p> <p><i>Position1 to 4: when send the telegram '0', the module will move to preset position</i></p> <p><i>Receive percentage value(8bits): when send the telegram '0', the position will be according to the percentage value</i></p> |
| 58 | Moving for sun= '1' | <ul style="list-style-type: none"> - (No reaction) - Up - Down - Stop - Position 1 - Position 2 - Position 3 - Position 4 - Receive percentage value(8bits) | <p><i>Set the status when send the telegram '1'(sun)</i></p> <p><i>No reaction: when send the telegram '1', the module will no reaction</i></p> <p><i>Up: when send the telegram '1', the module will move up</i></p> <p><i>Down: when send the telegram '1', the module will move down</i></p> <p><i>Stop: when send the telegram '1', the module will stop</i></p> <p><i>Position1 to 4: when send the telegram '1', the module will move to preset position</i></p> <p><i>Receive percentage value(8bits): when send the telegram '1', the position will be according to the percentage value</i></p> |
| 59 | Delay time sun= '0'(0...3600s) | (0)...3600 | <i>Set the delay time when receive the telegram=0</i> |
| 60 | Delay time sun= '1'(0...3600s) | (0)...3600 | <i>Set the delay time when receive the telegram=1</i> |
| 2.1.4_auto 2 | | | |



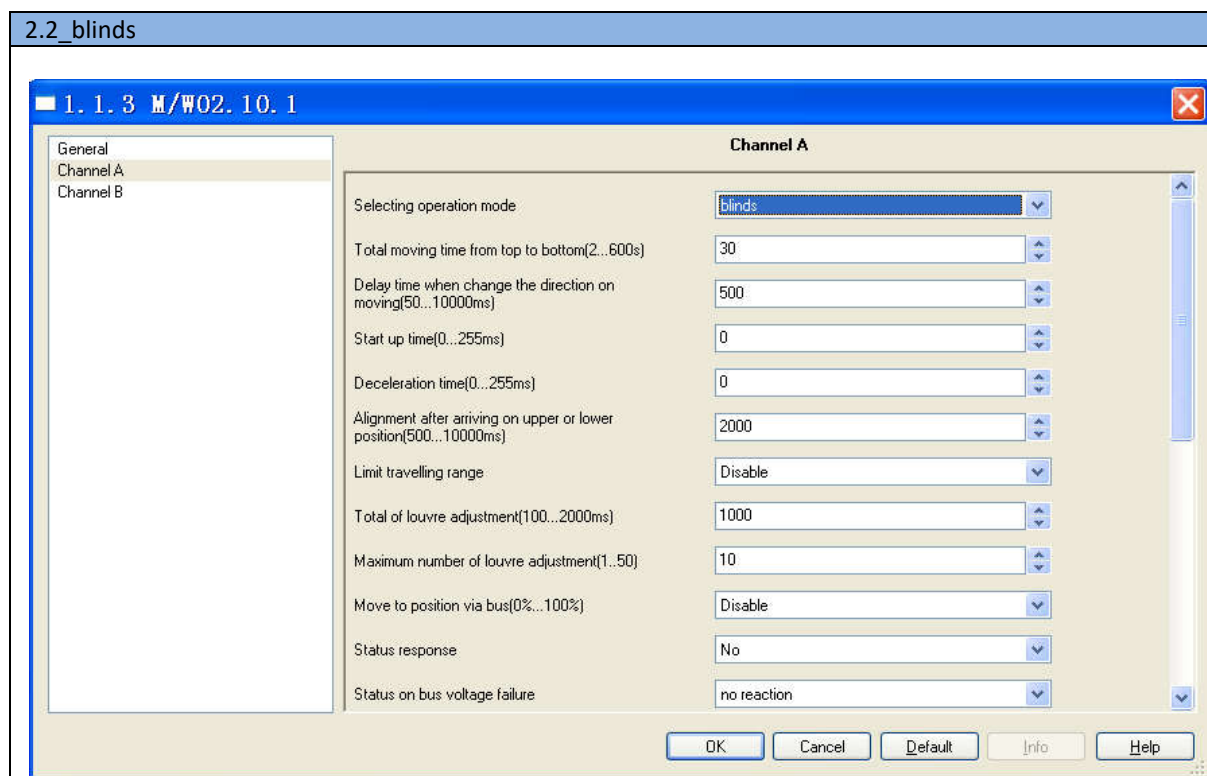
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|----|--|---|---|
| 61 | Delay(0...3600s) check when leaving "switching to auto 2" | (0)...3600 | Set the delay time for leaving |
| 62 | Delay(0...3600s) check when arriving "switching to auto 1" | (0)...3600 | Set the delay time for arriving |
| 63 | Position on heating="1" and sun="0" | -(No reaction) -Up -Down -Stop -Position 1 -Position 2 -Position 3 -Position 4 | Set the position when receive the telegram "1" or "0"(no sun) No reaction: when it is heating and no sun, the module will no reaction Up: when it is heating and no sun, the module will move up Down: when it is heating and no sun, the module will move down Stop: when it is heating and no sun, the module will stop Position1 to 4: when it is heating and no sun, the module will move to preset position |
| 64 | Position on heating="1" and sun="1" | -(No reaction) -Up -Down -Stop -Position 1 -Position 2 -Position 3 -Position 4 | Set the position when receive the telegram "1" No reaction: when it is heating and sunny, the module will no reaction Up: when it is heating and no sunny, the module will move up Down: when it is heating and sunny, the module will move |

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|-------------|--------------------------------------|--|--|
| | | | <p><i>down</i></p> <p><i>Stop: when it is heating and sunny, the module will stop</i></p> <p><i>Position1 to 4: when it is heating and sunny, the module will move to preset position</i></p> |
| 65 | Position on cooling= "1" and sun="0" | <p>-(No reaction)</p> <p>-Up</p> <p>-Down</p> <p>-Stop</p> <p>-Position 1</p> <p>-Position 2</p> <p>-Position 3</p> <p>-Position 4</p> | <p><i>Set the position when receive the telegram "1" or "0"(no sun)</i></p> <p><i>No reaction: when it is cooling and no sun, the module will no reaction</i></p> <p><i>Up: when it is cooling and no sun, the module will move up</i></p> <p><i>Down: when it is cooling and no sun, the module will move down</i></p> <p><i>Stop: when it is cooling and no sun, the module will stop</i></p> <p><i>Position1 to 4: when it is cooling and no sun, the module will move to preset position</i></p> |
| 66 | Position on cooling= "1" and sun="1" | <p>-(No reaction)</p> <p>-Up</p> <p>-Down</p> <p>-Stop</p> <p>-Position 1</p> <p>-Position 2</p> <p>-Position 3</p> <p>-Position 4</p> | <p><i>Set the position when receive the telegram "1"</i></p> <p><i>No reaction: when it is cooling and sunny, the module will no reaction</i></p> <p><i>Up: when it is cooling and no sunny, the module will move up</i></p> <p><i>Down: when it is cooling and sunny, the module will move down</i></p> <p><i>Stop: when it is cool and sunny, the module will stop</i></p> <p><i>Position1 to 4: when it is cooling and sunny, the module will move to preset position</i></p> |
| 2.1.5_scene | | | |



| | | | |
|----|-------------------------|--|---|
| 67 | Scene assignment(1) | <i>(No assignment) Scene No.1...Scene No.2</i> | <i>Set the parameter for scene assignment</i> |
| 68 | ->Output position value | <i>0%...(100%)(255)</i> | <i>Set the value for output position</i> |
| 69 | Scene assignment(2) | <i>(No assignment) Scene No.1...Scene No.2</i> | <i>Set the parameter for scene assignment</i> |
| 70 | ->Output position value | <i>0%...(100%)(255)</i> | <i>Set the value for output position</i> |
| 71 | Scene assignment(3) | <i>(No assignment) Scene No.1...Scene No.2</i> | <i>Set the parameter for scene assignment</i> |
| 72 | ->Output position value | <i>0%...(100%)(255)</i> | <i>Set the value for output position</i> |
| 73 | Scene assignment(4) | <i>(No assignment) Scene No.1...Scene No.2</i> | <i>Set the parameter for scene assignment</i> |
| 74 | ->Output position value | <i>0%...(100%)(255)</i> | <i>Set the value for output position</i> |
| 75 | Scene assignment(5) | <i>(No assignment) Scene No.1...Scene No.2</i> | <i>Set the parameter for scene assignment</i> |
| 76 | ->Output position value | <i>0%...(100%)(255)</i> | <i>Set the value for output position</i> |
| 77 | Scene assignment(6) | <i>(No assignment) Scene No.1...Scene No.2</i> | <i>Set the parameter for scene assignment</i> |
| 78 | ->Output position value | <i>0%...(100%)(255)</i> | <i>Set the value for output position</i> |
| 79 | Scene assignment(7) | <i>(No assignment) Scene No.1...Scene No.2</i> | <i>Set the parameter for scene assignment</i> |
| 80 | ->Output position value | <i>0%...(100%)(255)</i> | <i>Set the value for output position</i> |
| 81 | Scene assignment(8) | <i>(No assignment) Scene No.1...Scene No.2</i> | <i>Set the parameter for scene assignment</i> |
| 82 | ->Output position value | <i>0%...(100%)(255)</i> | <i>Set the value for output position</i> |

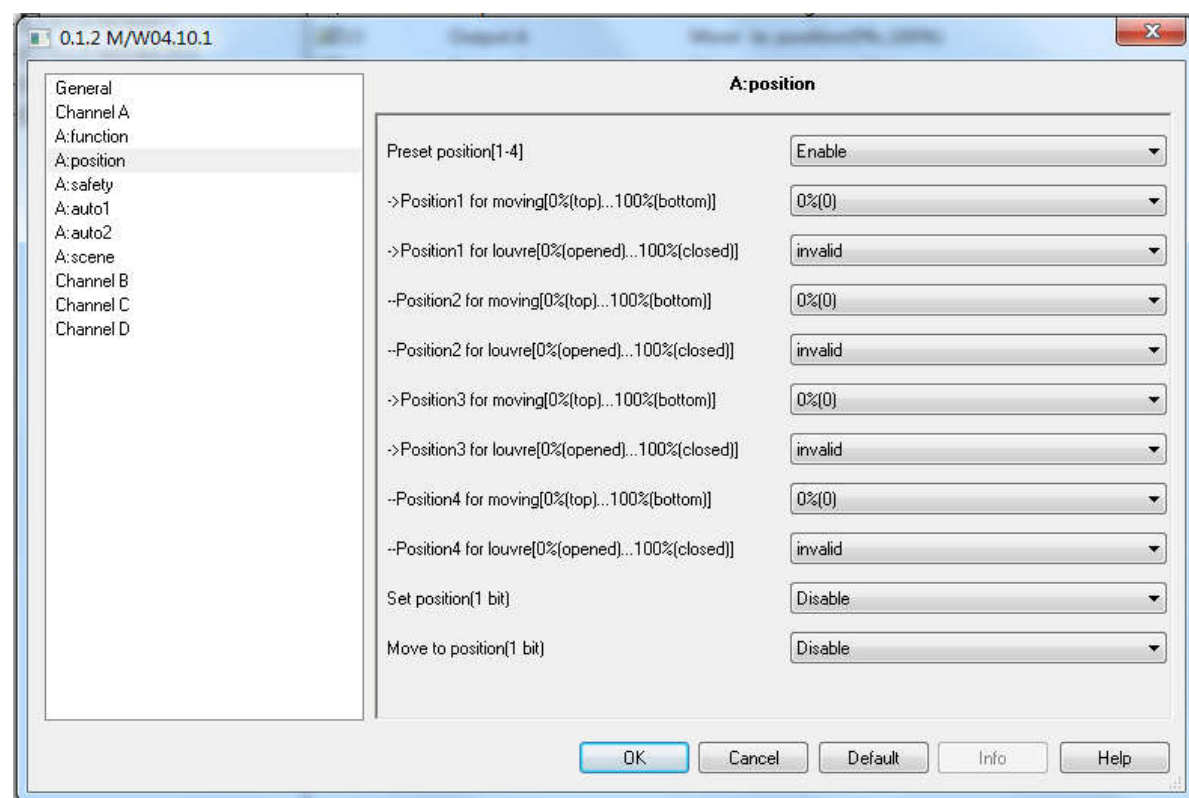
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|----|-------------------------|--|---|
| | | | <i>position</i> |
| 83 | Scene assignment(9) | <i>(No assignment) Scene No.1...Scene No.2</i> | <i>Set the parameter for scene assignment</i> |
| 84 | ->Output position value | <i>0%...(100%)(255)</i> | <i>Set the value for output position</i> |
| 85 | Scene assignment(10) | <i>(No assignment) Scene No.1...Scene No.2</i> | <i>Set the parameter for scene assignment</i> |
| 86 | ->Output position value | <i>0%...(100%)(255)</i> | <i>Set the value for output position</i> |



| No. | ETS-Parameter | Range (default) | Description |
|-----|--|------------------------|--|
| 87 | Total moving time from top to button(2...600s) | 2...(30)...600s | <i>Set the total moving time from top to button</i> |
| 88 | Delay time when change the direction on moving(50...10000ms) | 50...(500)...10000ms | <i>Set the delay moving time</i> |
| 89 | Start up time(0...255ms) | (0)...255ms | <i>Set the start up time</i> |
| 90 | Deceleration time(0...255ms) | (0)...255ms | <i>Set the deceleration time</i> |
| 91 | Alignment after arriving on upper or lower position(500...10000ms) | 500...(2000)...10000ms | <i>Set the time when the shutter/blinds continue to move up or down after arriving upper or lower position</i> |
| 92 | Limit travelling range | -Enable -(Disable) | <i>Enable/Disable the range of shutter/blinds travel</i> |
| 93 | ->Upper limit (0%...100%) | (0)...100% | <i>Set the value of upper limit</i> |
| 94 | ->Lower limit (0%...100%) | 0...(100%)(255) | <i>Set the value of lower limit</i> |
| 95 | Total of louver adjustment(100...2000ms) | 100...(1000)...2000ms | <i>Set the louver adjustment time</i> |
| 96 | Maximum number of louver adjustment(1...50) | 1...(10)...50 | <i>Set the parameter about the maximum number of louver</i> |

| | | | |
|------------------|--|--|--|
| | | | <i>adjustment</i> |
| 97 | Move the position via bus (0%...100%) | -Enable -(Disable) | <i>Enable/disable move the position</i> |
| 98 | Status response | -Enable -(Disable) | <i>Enable/disable status response</i> |
| 99 | ->Send position (0%...100%) | -Enable -(Disable) | <i>Enable/disable shutter/blinds position communication object</i> |
| 100 | ->Send limit position reached(1-reached) | -Enable -(Disable) | <i>Enable/disable limit position status communication</i> |
| 101 | ->Send status of automatic control(1-activated) | -Enable -(Disable) | <i>Enable/disable automatic control status communication object</i> |
| 102 | ->Send status of forced operation alarm(1-alarm) | -Enable -(Disable) | <i>Enable/ disable forced operation status communication object</i> |
| 103 | Status on bus voltage failure | -(no reaction) -up -down -stop | <i>Set the status when the bus voltage is failure up: The Shutter/Blinds will move to up after bus voltage failure. down: The Shutter/Blinds will move to down after bus voltage failure. stop: The Shutter/Blinds will stop after bus voltage failure.</i> |
| 104 | Reaction after bus voltage recovery | -(no reaction) -up -down -stop -set position | <i>Set the reaction when the bus voltage is recovery up: The Shutter/Blinds will move to up after bus voltage recovery. down: The Shutter/Blinds will move to down after bus voltage recovery. stop: The Shutter/Blinds will stop after bus voltage recovery. set position: set position or louver value is displayed.</i> |
| 105 | ->Output position value | (0%)...100% | <i>Set the range of the position value</i> |
| 106 | ->Output louver value | -(invalid) -0...100% | <i>Set the range of the louver value</i> |
| 107 | Show the function page==>> | -(No) -Yes | <i>Enable/disable the function page</i> |
| Function: | | | |
| 108 | Position function control | -Enable -(Disable) | <i>Enable/disable the position function</i> |
| 109 | Safety function control | -Enable -(Disable) | <i>Enable/disable the safety function</i> |
| 110 | Auto 1 function for sun | -Enable -(Disable) | <i>Enable/disable the auto 1 function for sun</i> |
| 111 | -> Auto 2 function for heating/cooling | -Enable -(Disable) | <i>Enable/disable the auto 2 function for sun</i> |
| 112 | Scene function control | -Enable -(Disable) | <i>Enable/disable scene function for sun</i> |

2.2.1_Position



| | | | |
|-----|---|------------------------|--|
| 113 | Preset position(1-4) | -Enable -(Disable) | Enable/disable the preset function setting |
| 114 | ->Position 1 for moving[0%(top)...100%(button)] | (0)...100 | Set the parameter for position 1 moving |
| 115 | -> Position 1 for louver[0%(opened)...100%(closed)] | -(invalid) -0...100 | Set the parameter for louver's position 1 |
| 116 | ->Position 2 for moving[0%(top)...100%(button)] | (0)...100 | Set the parameter for position 2 moving |
| 117 | -> Position 2 for louver[0%(opened)...100%(closed)] | -(invalid) -0...100 | Set the parameter for louver's position 2 |
| 118 | ->Position 3 for moving[0%(top)...100%(button)] | (0)...100 | Set the parameter for position 3 moving |
| 119 | -> Position 3 for louver[0%(opened)...100%(closed)] | -(invalid) -0...100 | Set the parameter for louver's position 3 |
| 120 | ->Position 4 for moving[0%(top)...100%(button)] | (0)...100 | Set the parameter for position 4 moving |
| 121 | -> Position 4 for louver[0%(opened)...100%(closed)] | -(invalid) -0...100 | Set the parameter for louver's position 4 |
| 122 | Set position(1 bit) | -Enable -(Disable) | Enable/disable the position communication object |
| 123 | Move to position(1bit) | -Enable | Enable/disable move to |

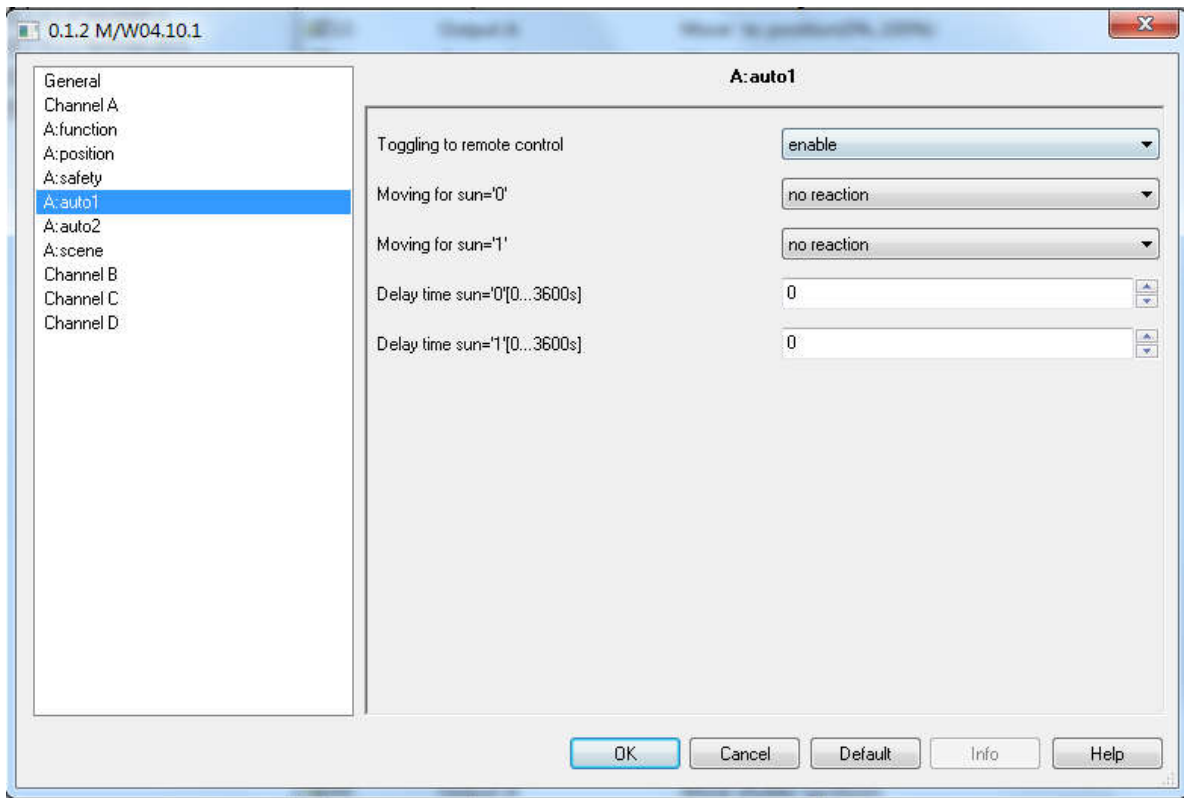
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|---------------------|--|------------|--------------------------------------|
| | | -(Disable) | <i>position communication object</i> |
| 2.2.2_Safety | | | |
| | | | |

| | | | |
|-----|---|--|--|
| 124 | The weak wind alarm is used | -(No) -Yes | <i>If select "Yes", the communication object is valid</i> |
| 125 | The slight wind alarm is used | -(No) -Yes | <i>If select "Yes", the communication object is valid</i> |
| 126 | The strong wind alarm is used | -(No) -Yes | <i>If select "Yes", the communication object is valid</i> |
| 127 | Reaction on wind alarm(the wind signal come from bus) | -(No reaction) -Up -Down -Stop -Only set louver position | <i>Set the status for the wind alarm no reaction: the Shutter/Blinds is on reaction when receive wind(rain/frost) signal. up: the Shutter/Blinds move to up when receive wind(rain/frost) signal. down: the shutter/blinds move to down when receive wind(rain/frost) signal. stop: the Shutter/Blinds stop when receive wind(rain/frost) signal. only set louver position: can set the shutter/blinds adjustment louver position.</i> |
| 128 | ->Output louver value | (0)...100% | <i>Set the range of louver value</i> |
| 129 | Reaction on rain alarm(the rain signal come from bus) | -(No reaction) -Up | <i>Set the status for the rain alarm</i> |

| | | | |
|-----|---|--|--|
| | | <ul style="list-style-type: none"> -Down -Stop -Only set louver position | <p><i>no reaction: the Shutter/Blinds is on reaction when receive wind(rain/frost) signal.</i></p> <p><i>up: the Shutter/Blinds move to up when receive wind(rain/frost) signal.</i></p> <p><i>down: the shutter/blinds move to down when receive wind(rain/frost) signal.</i></p> <p><i>stop: the Shutter/Blinds stop when receive wind(rain/frost) signal.</i></p> <p><i>only set louver position: can set the shutter/blinds adjustment louver position.</i></p> |
| 130 | ->Output louver value | (0)...100% | <i>Set the range of louver value</i> |
| 131 | Reaction on frost alarm(the frost signal come from bus) | <ul style="list-style-type: none"> -(No reaction) -Up -Down -Stop -Only set louver position | <p><i>Set the status for the frost alarm</i></p> <p><i>no reaction: the Shutter/Blinds is on reaction when receive wind(rain/frost) signal.</i></p> <p><i>up: the Shutter/Blinds move to up when receive wind(rain/frost) signal.</i></p> <p><i>down: the shutter/blinds move to down when receive wind(rain/frost) signal.</i></p> <p><i>stop: the Shutter/Blinds stop when receive wind(rain/frost) signal.</i></p> <p><i>only set louver position: can set the shutter/blinds adjustment louver position.</i></p> |
| 132 | ->Output louver value | (0)...100% | <i>Set the range of louver value</i> |
| 133 | Forced operation1(2 bit) | <ul style="list-style-type: none"> -Enable -(Disable) | <i>Enable/disable forced operation 1</i> |
| 134 | Forced operation2(1 bit) | <ul style="list-style-type: none"> -Enable -(Disable) | <i>Enable/disable forced operation 2</i> |
| 135 | ->Output position value | (0)...100% | <i>Set the value for output position</i> |
| 136 | Forced operation3(1 bit) | <ul style="list-style-type: none"> -Enable -(Disable) | <i>Enable/disable forced operation 3</i> |
| 137 | ->Output position value | (0)...100% | <i>Set the value for output position</i> |
| 138 | Reaction on exit forced operation | <ul style="list-style-type: none"> -(No reaction) -Up -Down -Stop -last position | <p><i>Set the status when exit forced operation</i></p> <p><i>no reaction: the Shutter/Blinds is no reaction when exit forced operation.</i></p> <p><i>up: the Shutter/Blinds move to up when exit forced operation.</i></p> |

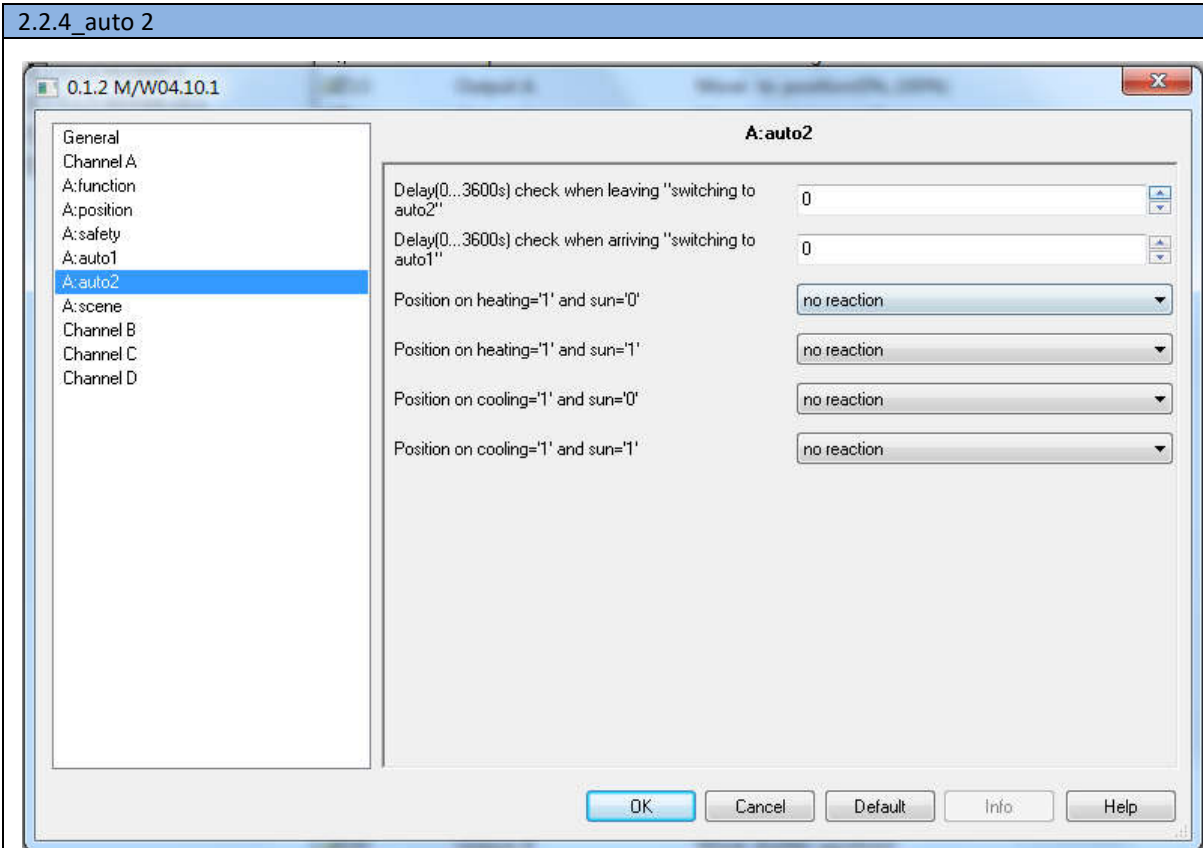
| | | | |
|--|--|--|---|
| | | | <p><i>down: the Shutter/Blinds move to down when exit forced operation.</i></p> <p><i>stop: the Shutter/Blinds stop when exit forced operation.</i></p> <p><i>Last position: the Shutter/Blinds move to last position when exit forced operation.</i></p> |
|--|--|--|---|

2.2.3_auto 1



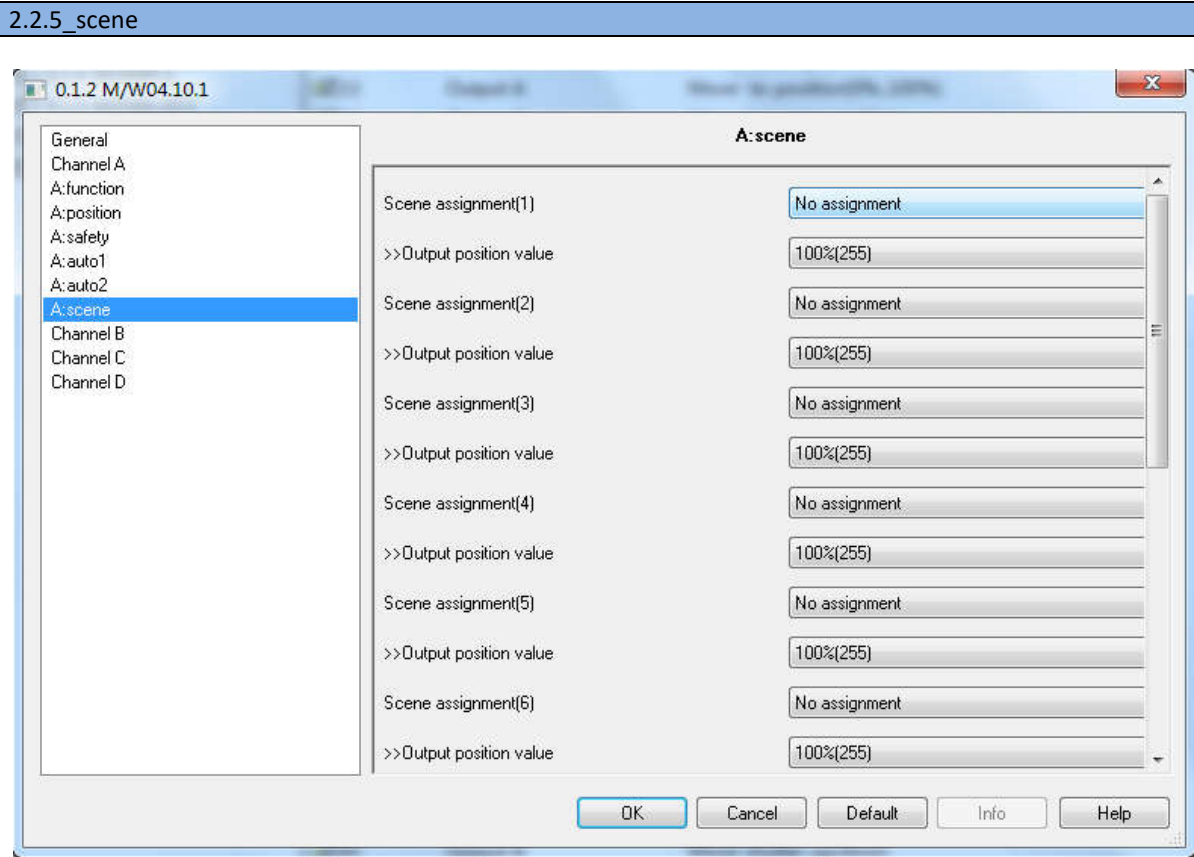
| | | | |
|-----|----------------------------|---|---|
| 139 | Toggling to remote control | <ul style="list-style-type: none"> -(Enable) -Communication object enable/disable | <p><i>Set the remote control</i></p> <p><i>Enable: Enable the remote control</i></p> <p><i>Communication object enable/disable: Enable/disable the communication object</i></p> |
| 140 | Moving for sun= '0' | <ul style="list-style-type: none"> -(No reaction) -Up -Down -Stop -Position 1 -Position 2 -Position 3 -Position 4 -Receive percentage value(8bits) | <p><i>Set the status when send the telegram '0'(no sun)</i></p> <p><i>No reaction: when send the telegram '0', the module will no reaction</i></p> <p><i>Up: when send the telegram '0', the module will move up</i></p> <p><i>Down: when send the telegram '0', the module will move down</i></p> <p><i>Stop: when send the telegram '0', the module will stop</i></p> |

| | | | |
|-----|--------------------------------|--|---|
| | | | <p><i>Position1 to 4: when send the telegram '0', the module will move to preset position</i></p> <p><i>Receive percentage value(8bits): when send the telegram '0', the position will be according to the percentage value</i></p> |
| 141 | Moving for sun= '1' | <ul style="list-style-type: none"> - (No reaction) - Up - Down - Stop - Position 1 - Position 2 - Position 3 - Position 4 - Receive percentage value(8bits) | <p><i>Set the status when send the telegram '1'(sun)</i></p> <p><i>No reaction: when send the telegram '1', the module will no reaction</i></p> <p><i>Up: when send the telegram 1', the module will move up</i></p> <p><i>Down: when send the telegram '1', the module will move down</i></p> <p><i>Stop: when send the telegram '1', the module will stop</i></p> <p><i>Position1 to 4: when send the telegram '1', the module will move to preset position</i></p> <p><i>Receive percentage value(8bits): when send the telegram '1', the position will be according to the percentage value</i></p> |
| 142 | Delay time sun= '0'(0...3600s) | (0)...3600 | <p><i>Set the delay time when receive the telegram=0</i></p> |
| 143 | Delay time sun= '1'(0...3600s) | (0)...3600 | <p><i>Set the delay time when receive the telegram=1</i></p> |



| | | | |
|-----|--|---|---|
| 144 | Delay(0...3600s) check when leaving "switching to auto 2" | (0)...3600 | Set the delay time for leaving |
| 145 | Delay(0...3600s) check when arriving "switching to auto 1" | (0)...3600 | Set the delay time for arriving |
| 146 | Position on heating="1" and sun="0" | -(No reaction) -Up -Down -Stop -Position 1 -Position 2 -Position 3 -Position 4 | Set the position when receive the telegram "1" or "0"(no sun) No reaction: when it is heating and no sun, the module will no reaction Up: when it is heating and no sun, the module will move up Down: when it is heating and no sun, the module will move down Stop: when it is heating and no sun, the module will stop Position1 to 4: when it is heating and no sun, the module will move to preset position |
| 147 | Position on heating="1" and sun="1" | -(No reaction) -Up -Down -Stop -Position 1 -Position 2 -Position 3 -Position 4 | Set the position when receive the telegram "1" No reaction: when it is heating and sunny, the module will no reaction Up: when it is heating and no sunny, the module will move up |

| | | | |
|-----|--------------------------------------|--|--|
| | | | <p><i>Down: when it is heating and sunny, the module will move down</i></p> <p><i>Stop: when it is heating and sunny, the module will stop</i></p> <p><i>Position1 to 4: when it is heating and sunny, the module will move to preset position</i></p> |
| 148 | Position on cooling= "1" and sun="0" | <p>-(No reaction)</p> <p>-Up</p> <p>-Down</p> <p>-Stop</p> <p>-Position 1</p> <p>-Position 2</p> <p>-Position 3</p> <p>-Position 4</p> | <p><i>Set the position when receive the telegram "1" or "0"(no sun)</i></p> <p><i>No reaction: when it is cooling and no sun, the module will no reaction</i></p> <p><i>Up: when it is cooling and no sun, the module will move up</i></p> <p><i>Down: when it is cooling and no sun, the module will move down</i></p> <p><i>Stop: when it is cooling and no sun, the module will stop</i></p> <p><i>Position1 to 4: when it is cooling and no sun, the module will move to preset position</i></p> |
| 149 | Position on cooling= "1" and sun="1" | <p>-(No reaction)</p> <p>-Up</p> <p>-Down</p> <p>-Stop</p> <p>-Position 1</p> <p>-Position 2</p> <p>-Position 3</p> <p>-Position 4</p> | <p><i>Set the position when receive the telegram "1"</i></p> <p><i>No reaction: when it is cooling and sunny, the module will no reaction</i></p> <p><i>Up: when it is cooling and no sunny, the module will move up</i></p> <p><i>Down: when it is cooling and sunny, the module will move down</i></p> <p><i>Stop: when it is cool and sunny, the module will stop</i></p> <p><i>Position1 to 4: when it is cooling and sunny, the module will move to preset position</i></p> |



| | | | |
|-----|-------------------------|--|---|
| 150 | Scene assignment(1) | <i>(No assignment) Scene No.1...Scene No.2</i> | <i>Set the parameter for scene assignment</i> |
| 151 | ->Output position value | <i>0%...(100%)(255)</i> | <i>Set the value for output position</i> |
| 152 | Scene assignment(2) | <i>(No assignment) Scene No.1...Scene No.2</i> | <i>Set the parameter for scene assignment</i> |
| 153 | ->Output position value | <i>0%...(100%)(255)</i> | <i>Set the value for output position</i> |
| 154 | Scene assignment(3) | <i>(No assignment) Scene No.1...Scene No.2</i> | <i>Set the parameter for scene assignment</i> |
| 155 | ->Output position value | <i>0%...(100%)(255)</i> | <i>Set the value for output position</i> |
| 156 | Scene assignment(4) | <i>(No assignment) Scene No.1...Scene No.2</i> | <i>Set the parameter for scene assignment</i> |
| 157 | ->Output position value | <i>0%...(100%)(255)</i> | <i>Set the value for output position</i> |
| 158 | Scene assignment(5) | <i>(No assignment) Scene No.1...Scene No.2</i> | <i>Set the parameter for scene assignment</i> |
| 159 | ->Output position value | <i>0%...(100%)(255)</i> | <i>Set the value for output position</i> |
| 160 | Scene assignment(6) | <i>(No assignment) Scene No.1...Scene No.2</i> | <i>Set the parameter for scene assignment</i> |
| 161 | ->Output position value | <i>0%...(100%)(255)</i> | <i>Set the value for output position</i> |
| 162 | Scene assignment(7) | <i>(No assignment) Scene No.1...Scene No.2</i> | <i>Set the parameter for scene assignment</i> |
| 163 | ->Output position value | <i>0%...(100%)(255)</i> | <i>Set the value for output position</i> |
| 164 | Scene assignment(8) | <i>(No assignment)</i> | <i>Set the parameter for scene</i> |

| | | | |
|-----|-------------------------|--|---|
| | | <i>Scene No.1...Scene No.2</i> | <i>assignment</i> |
| 165 | ->Output position value | <i>0%...(100%)(255)</i> | <i>Set the value for output position</i> |
| 166 | Scene assignment(9) | <i>(No assignment) Scene No.1...Scene No.2</i> | <i>Set the parameter for scene assignment</i> |
| 167 | ->Output position value | <i>0%...(100%)(255)</i> | <i>Set the value for output position</i> |
| 168 | Scene assignment(10) | <i>(No assignment) Scene No.1...Scene No.2</i> | <i>Set the parameter for scene assignment</i> |
| 169 | ->Output position value | <i>0%...(100%)(255)</i> | <i>Set the value for output position</i> |

XX

D.Communication Objects

D.0 General

| Objects "General" | | | | | | | | | | | |
|-------------------|---------|----------------------------|-------------|-----------------|--------|---|---|---|---|---|------------------|
| Number | Name | Object Function | Description | Group Addresses | Length | C | R | W | T | U | Data Type |
| #0 | General | Send cycles | | | 1 bit | C | R | - | T | - | 1 bit DPT_Enable |
| #1 | General | Weak wind alarm received | | | 1 bit | C | - | W | - | U | |
| #2 | General | Slight wind alarm received | | | 1 bit | C | - | W | - | U | |
| #3 | General | Strong wind alarm received | | | 1 bit | C | - | W | - | U | |
| #4 | General | Rain alarm received | | | 1 bit | C | - | W | - | U | |
| #5 | General | Frost alarm received | | | 1 bit | C | - | W | - | U | |

| NO. | Object name | Function | Flags | Data type |
|--|-------------|----------------------------|-------|-------------------|
| 0 | General | Send cycles | C R T | DPT 1.003 1bit |
| This communication object is always active and valid. Invert the value send telegram to bus in next frame. e.g. last telegram value is "1", the next telegram value is "0" | | | | |
| 1 | General | Weak wind alarm received | C W U | DPT 1.005 1bit |
| 2 | General | Slight wind alarm received | C W U | DPT 1.005 1bit |
| 3 | General | Strong wind alarm received | C W U | DPT 1.005 1bit |
| 4 | General | Rain alarm received | C W U | DPT 1.005 1bit |
| 5 | General | Frost alarm received | C W U | DPT 1.005 1bit |

This communication objects are used to receive the telegram, if receives telegram "1", will alarm, if receives telegram "0", no action

D.1 Shutter (All channels' setting is same, here, take channel A as an example)

| Objects "operation mode" | | | | | | | | | | | |
|--------------------------|----------|----------------------|-------------|-----------------|--------|---|---|---|---|---|------------------|
| Number | Name | Object Function | Description | Group Addresses | Length | C | R | W | T | U | Data Type |
| #0 | General | Send cycles | | | 1 bit | C | R | - | T | - | 1 bit DPT_Enable |
| #10 | Output A | Move shutter up/down | | | 1 bit | C | - | W | - | U | 1 bit DPT_UpDown |

| NO. | Object name | Function | Flags | Data type |
|-----|-------------|--------------|-------|-----------|
| 10 | Output A | Move shutter | C W U | DPT 1.008 |

| | | | | |
|---|--|---------|--|------|
| | | up/down | | 1bit |
| <i>This communication object is used to move shutter up/down, if receives "0", will move up, receives "1", will move down</i> | | | | |

| | | | | |
|---|--------------------|-----------------|--------------|--------------------|
| Objects "operation mode" | | | | |
| | Output A | stop moving | | 1 bit |
| NO. | Object name | Function | Flags | Data type |
| 11 | Output A | Stop moving | C W U | DPT 1.007 1 bit |
| <i>This communication object is used to stop moving</i> | | | | |

| | | | | |
|--|--------------------|------------------|--------------|--------------------|
| Objects "limit travelling" | | | | |
| | Output A | Limit travelling | | 1 bit |
| NO. | Object name | Function | Flags | Data type |
| 12 | Output A | Limit travelling | C W U | DPT 1.008 1 bit |
| <i>This communication object is used to limit the range of shutter travel, if receives telegram "0", will move up, if receives "1", will move down</i> | | | | |

| | | | | |
|--|--------------------|------------------------------|--------------|---------------------|
| Objects "move to position" | | | | |
| | Output A | Move to position (0%...100%) | | 1 Byte |
| NO. | Object name | Function | Flags | Data type |
| 13 | Output A | Move to position (0%...100%) | C W U | DPT 5.001 1 byte |
| <i>This communication object is used to move to the position according to the telegram</i> | | | | |

| | | | | |
|--|--------------------|-------------------------|--------------|---------------------|
| Objects "Move louvre to position" | | | | |
| | Output A | Move louvre to position | | 1 Byte |
| NO. | Object name | Function | Flags | Data type |
| 14 | Output A | Move louvre to position | C W U | DPT 5.001 1 byte |
| <i>This communication object is used to move to louvre position according to the receiving value</i> | | | | |

| Objects "Status response" | | | | |
|---------------------------|----------|-------------------------------|--------|--|
| 15 | Output A | Object status of position | 1 Byte | C R - T - 8 bit unsigned value DPT_... |
| 17 | Output A | Object status of upper pos | 1 bit | C R - T - 1 bit DPT_UpDown |
| 18 | Output A | Object status of lower pos | 1 bit | C R - T - 1 bit DPT_UpDown |
| 19 | Output A | Object status of auto | 1 bit | C R - T - |
| 20 | Output A | Object status of forced alarm | 1 bit | C R - T - |

| NO. | Object name | Function | Flags | Data type |
|-----|-------------|-------------------------------|-------|---------------------|
| 15 | Output A | Object status of position | C R T | DPT 5.001 1 byte |
| 17 | Output A | Object status of upper pos | C R T | DPT 1.008 1 bit |
| 18 | Output A | Object status of lower pos | C R T | DPT1.008 1 bit |
| 19 | Output A | Object status of auto | C R T | DPT1.011 1bit |
| 20 | Output A | Object status of forced alarm | C R T | DPT1.005 1bit |

These communication objects are used to set the shutter status when the position is changed

| Objects "Preset position" | | | | |
|---------------------------|----------|----------------------|-------|-----------|
| 21 | Output A | Set position 1/2 | 1 bit | C - W - U |
| 22 | Output A | Set position 3/4 | 1 bit | C - W - U |
| 23 | Output A | Move to position 1/2 | 1 bit | C - W - U |
| 24 | Output A | Move to position 3/4 | 1 bit | C - W - U |

| NO. | Object name | Function | Flags | Data type |
|-----|-------------|----------------------|-------|-------------------|
| 21 | Output A | Set position1/2 | C W U | DPT1.022 1 bit |
| 22 | Output A | Set position3/4 | | |
| 23 | Output A | Move to position 1/2 | | |
| 24 | Output A | Move to position 3/4 | | |

These communication objects are used to set the preset position

| Objects "Activation of weather alarm" | | | | |
|---------------------------------------|-----------------|-----------------------------|-------|-----------|
| 24 | Output A | move to position 3/4 | 1 bit | C - W - U |
| 25 | Output A | Activation of weather alarm | 1 bit | C - W - U |
| 26 | Output A Safety | Forced operation1 | 2 bit | C - W - U |


| NO. | Object name | Function | Flags | Data type |
|-----|-------------|-----------------------------|-------|-------------------|
| 25 | Output A | Activation of weather alarm | C W U | DPT1.011 1 bit |




This communication object is used to activate the weather alarm


| Objects "Forced operation" | | | | |
|----------------------------|-----------------|-------------------|-------|----------------------------|
| 26 | Output A Safety | Forced operation1 | 2 bit | C - W - U |
| 27 | Output A Safety | Forced operation2 | 1 bit | C - W - U 1 bit DPT_Switch |
| 28 | Output A Safety | Forced operation3 | 1 bit | C - W - U 1 bit DPT_Switch |

| NO. | Object name | Function | Flags | Data type |
|-----|-----------------|-------------------|-------|--------------------|
| 26 | Output A Safety | Forced operation1 | C W U | DPT 2.008 2 bit |

| | | | | |
|--|-----------------|-------------------|-------|--------------------|
| 27 | Output A Safety | Forced operation2 | C W U | DPT 1.001 1 bit |
| 28 | Output A Safety | Forced operation3 | C W U | DPT 1.001 1bit |
| <i>These communication objects are used to force operation</i> | | | | |

| Objects "Activation of auto control" | | | | |
|--|-------------|----------------------------|-------|--------------------|
|  29 Output A Activation of auto control 1 bit C - W - U | | | | |
| NO. | Object name | Function | Flags | Data type |
| 29 | Output A | Activation of auto control | C T | DPT 1.011 1 bit |
| <i>This communication object is used to activate weather alarm. If this communication object receives the value "1", the auto control is activated. If this communication object receives a telegram with the value "0", the weather alarm is deactivated.</i> | | | | |

| Objects "Auto 1" | | | | |
|---|----------------|-------------------------------|-------|-------------------|
|  30 Output A Autol Sun="0 or 1" 1 bit C - W - U 1 bit DPT_Bool  31 Output A Autol Position percentage for sun 1 Byte C - W - U 8 bit unsigned value DPT_...  33 Output A Enable/Disable remote control 1 bit C - W - U 1 bit DPT_Enable | | | | |
| NO. | Object name | Function | Flags | Data type |
| 30 | Output A Auto1 | Sun= "0 or 1" | C W U | DPT1.002 1 bit |
| <i>This communication object is used to receive the sun=0 or 1 signal</i> | | | | |
| 31 | Output A Auto1 | Position percentage for sun | C W U | DPT5.001 1byte |
| <i>This communication object is used to move to the position when auto is activated</i> | | | | |
| 33 | Output A | Enable/Disable remote control | C W U | DPT1.003 1 bit |
| <i>This communication object is used to enable/disable remote control</i> | | | | |

| Objects "Presence" | | | | |
|---|-------------|------------------------------|-------|--------------------|
|  34 Output A Presence check(arrive/leave) 1 bit C - W - U 1 bit DPT_Bool | | | | |
| NO. | Object name | Function | Flags | Data type |
| 34 | Output A | Presence check(arrive/leave) | C W U | DPT 1.002 1 bit |
| <i>This communication object is used to receive presence (arrive) signal or no presence (leave) signal.</i> | | | | |

| Objects "Heating" and "Cooling" | | | | |
|--|-----------------|----------|-------|--------------------------|
| 35 | Output A Auto2 | Heating | 1 bit | C - W - U 1 bit DPT_Bool |
| 36 | Output A Auto2 | Cooling | 1 bit | C - W - U 1 bit DPT_Bool |
| NO. | Object name | Function | Flags | Data type |
| 35 | Output A Auto 2 | Heating | C W U | DPT 1.002 1 bit |
| This communication is used to receive "Heating" signal, when send the telegram "1", "Heating" is valid | | | | |
| 36 | Output A Auto 2 | Cooling | C W U | DPT 1.002 1 bit |
| This communication is used to receive "Cooling" signal, when send the telegram "1", "Cooling" is valid | | | | |

| Objects "Scene" | | | | |
|--|-------------|-------------------|--------|----------------------|
| 37 | Output A | Call scene number | 1 Byte | C - W - U |
| NO. | Object name | Function | Flags | Data type |
| 37 | Output A | Call scene number | C W U | DPT 18.001 1 byte |
| <i>This communication is used to control the scene</i> | | | | |

D 2 Blinds

| Objects "Operation mode" | | | | |
|---|-------------|---------------------|-------|----------------------------|
| 10 | Output A | Move blinds up/down | 1 bit | C - W - U 1 bit DPT_UpDown |
| NO. | Object name | Function | Flags | Data type |
| 10 | Output A | Move blinds up/down | C W U | DPT 1.008 1 bit |
| <i>This communication is used to move blinds up/down, if receives "0", will move up, receives "1", will move down</i> | | | | |

| Objects "operation mode" | | | | |
|--|-------------|---------------------------|-------|--------------------|
| 11 | Output A | Adjust louvre/Stop moving | 1 bit | C - W - U |
| NO. | Object name | Function | Flags | Data type |
| 11 | Output A | Adjust louver/Stop moving | C W U | DPT 1.007 1 bit |
| <i>This communication is used to Adjust louver/Stop moving</i> | | | | |

| Objects "limit travelling" | | | | |
|--|-------------|------------------|-------|----------------------------|
| 12 | Output A | Limit travelling | 1 bit | C - W - U 1 bit DPT_UpDown |
| NO. | Object name | Function | Flags | Data type |
| 12 | Output A | Limit travelling | C W U | DPT 1.008 1 bit |
| <i>This communication is used to limit the range of blinds travel, if receives telegram "0", will move up, if receives "1", will move down</i> | | | | |

| Objects "position" | | | | |
|--|-------------|-----------------------------|--------|--|
| 13 | Output A | Move to position(0%..100%) | 1 Byte | C - W - U 8 bit unsigned value DPT_... |
| NO. | Object name | Function | Flags | Data type |
| 13 | Output A | Move to position(0%...100%) | C W U | DPT 5.001 1 byte |
| <i>This communication is used to move to any position when it receives value</i> | | | | |

| Objects "position" | | | | |
|--|-------------|-------------------------|--------|--|
| 14 | Output A | Move louvre to position | 1 Byte | C - W - U 8 bit unsigned value DPT_... |
| NO. | Object name | Function | Flags | Data type |
| 14 | Output A | Move louvre to position | C W U | DPT5.001 1byte |
| <i>This communication is used to move to any position when it receives value</i> | | | | |

| Objects "status response" | | | | |
|--|-------------|-------------------------------|--------|--|
| 15 | Output A | Object status of position | 1 Byte | C R - T - 8 bit unsigned value DPT_... |
| 16 | Output A | Object status of louvre pos | 1 Byte | C R - T - 8 bit unsigned value DPT_... |
| 17 | Output A | Object status of upper pos | 1 bit | C R - T - 1 bit DPT_UpDown |
| 18 | Output A | Object status of lower pos | 1 bit | C R - T - 1 bit DPT_UpDown |
| 19 | Output A | Object status of auto | 1 bit | C R - T - |
| 20 | Output A | Object status of forced alarm | 1 bit | C R - T - |
| NO. | Object name | Function | Flags | Data type |
| 15 | Output A | Object status of position | C R T | DPT 5.001 1 byte |
| 16 | Output A | Object status of louvre pos | C R T | DPT5.001 1 byte |
| 17 | Output A | Object status of upper pos | C R T | DPT 1.008 1 bit |
| 18 | Output A | Object status of lower pos | C R T | DPT1.008 1 bit |
| 19 | Output A | Object status of auto | C R T | DPT1.011 1bit |
| 20 | Output A | Object status of forced alarm | C R T | DPT1.005 1bit |
| <i>These communication objects are used to set the blinds status</i> | | | | |

| Objects "Preset position" | | | | |
|--|-------------|----------------------|-------|-------------------|
| 21 | Output A | Set position 1/2 | 1 bit | C - W - U |
| 22 | Output A | Set position 3/4 | 1 bit | C - W - U |
| 23 | Output A | Move to position 1/2 | 1 bit | C - W - U |
| 24 | Output A | Move to position 3/4 | 1 bit | C - W - U |
| NO. | Object name | Function | Flags | Data type |
| 21 | Output A | Set position 1/2 | C W U | DPT 1.022 1bit |
| 22 | Output A | Set position 3/4 | C W U | DPT 1.022 1bit |
| 23 | Output A | Move to position 1/2 | C W U | DPT 1.022 1bit |
| 24 | Output A | Move to position 3/4 | C W U | DPT 1.022 1bit |
| <i>These communication objects are used to set the preset position</i> | | | | |

| Objects "Activation of weather alarm" | | | | |
|---|-------------|-----------------------------|-------|--------------------|
| 25 | Output A | Activation of weather alarm | 1 bit | C - W - U |
| NO. | Object name | Function | Flags | Data type |
| 25 | Output A | Activation of weather alarm | C W U | DPT 1.011 1 bit |
| <i>This communication object is used to activate of weather alarm</i> | | | | |

| Objects "Forced operation" | | | | |
|--|-----------------|--------------------|-------|----------------------------|
| 26 | Output A Safety | Forced operation1 | 2 bit | C - W - U |
| 27 | Output A Safety | Forced operation2 | 1 bit | C - W - U 1 bit DPT_Switch |
| 28 | Output A Safety | Forced operation3 | 1 bit | C - W - U 1 bit DPT_Switch |
| NO. | Object name | Function | Flags | Data type |
| 26 | Output A Safety | Forced operation 1 | C W U | DPT2.008 2 bit |
| 27 | Output A Safety | Forced operation 2 | C W U | DPT1.001 1bit |
| 28 | Output A Safety | Forced operation 3 | C W U | DPT1.001 1bit |
| <i>These communication objects are used to force operation</i> | | | | |

| Objects "Activation of auto control" | | | | |
|--|-------------|----------------------------|-------|-------------------|
| 29 | Output A | Activation of auto control | 1 bit | C - W - U |
| NO. | Object name | Function | Flags | Data type |
| 29 | Output A | Activation of auto control | C W U | DPT1.011 1 bit |
| <i>This communication object is used to activate weather alarm, if this communication object receives the value "1", the auto control is activated. If this communication object receives a telegram with the value "0", the weather alarm is deactivated.</i> | | | | |

| Objects "Auto 1" | | | | |
|---|-----------------|-------------------------------|--------|---------------------------------------|
| 30 | Output A Auto1 | Sun="0 or 1" | 1 bit | C - W - U 1 bit DPT_Bool |
| 31 | Output A Auto1 | Position percentage for sun | 1 Byte | C - W - U 8 bit unsigned value DPT_.. |
| 32 | Output A Auto1 | Louvre percentage for sun | 1 Byte | C - W - U 8 bit unsigned value DPT_.. |
| 33 | Output A | Enable/Disable remote control | 1 bit | C - W - U 1 bit DPT_Enable |
| NO. | Object name | Function | Flags | Data type |
| 30 | Output A Auto1 | Sun= "0 or 1" | C W U | DPT1.002 1 bit |
| <i>This communication object is used to receive the sun=0 or 1 signal</i> | | | | |
| 31 | Output A Auto1 | Position percentage for sun | C W U | DPT5.001 1byte |
| <i>This communication object is used to move to the position when auto is activated</i> | | | | |
| 32 | Output A Auto 1 | Louvre percentage for sun | C W U | DPT5.001 1 byte |
| <i>This communication object is used to move to position when auto is activated</i> | | | | |
| 33 | Output A | Enable/Disable remote control | C W U | DPT1.003 1 bit |

| Objects "Presence" | | | | |
|---|-------------|------------------------------|-------|--------------------------|
| 34 | Output A | Presence check(arrive/leave) | 1 bit | C - W - U 1 bit DPT_Bool |
| NO. | Object name | Function | Flags | Data type |
| 34 | Output A | Presence check(arrive/leave) | C W U | DPT 1.002 1 bit |
| <i>This communication object is used to receive presence (arrive) signal or no presence (leave) signal.</i> | | | | |

| Objects "Heating" and "Cooling" | | | | |
|---|-----------------|----------|-------|--------------------------|
| 35 | Output A Auto2 | Heating | 1 bit | C - W - U 1 bit DPT_Bool |
| 36 | Output A Auto2 | Cooling | 1 bit | C - W - U 1 bit DPT_Bool |
| NO. | Object name | Function | Flags | Data type |
| 35 | Output A Auto 2 | Heating | C W U | DPT 1.002 1 bit |
| <i>This communication is used to receive "Heating" signal, when send the telegram "1", "Heating" is valid</i> | | | | |

| | | | | |
|--|-----------------|---------|-------|--------------------|
| 36 | Output A Auto 2 | Cooling | C W U | DPT 1.002 1 bit |
| This communication is used to receive "Cooling" signal, when send the telegram "1", "Cooling" is valid | | | | |

| Objects "Scene" | | | | |
|--|-------------|-------------------|-------|----------------------|
| NO. | Object name | Function | Flags | Data type |
| 37 | Output A | Call scene number | C W U | DPT 18.001 1 byte |
| <i>This communication is used to control the scene</i> | | | | |

--- End of Document ---