

2-pipe temperature control

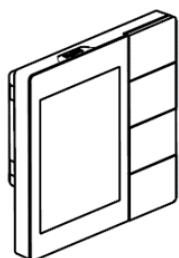
0-10V valves, 2 manual hot/cold change-over pipes

3(0-10V) Speed ventilation

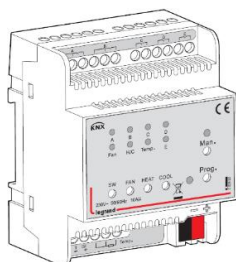
Cat.No(s): 281027BB

0 028 90

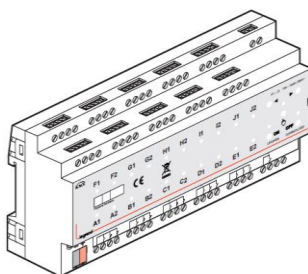
0 026 72



281027BB



0 028 90



0 026 72

CONTENTS	PAGE
1. USAGE SCENARIO	1
2. DESCRIPTION	1
3. WIRING DIAGRAM.....	2
4. KNX DIAGRAM.....	3
5. KNX PROJECT	3
6. DEVICE PARAMETERS WITH ETS5.....	4
7. NOTES	12

1. USAGE SCENARIO

Hotel/residential room



Office/meeting room



2. DESCRIPTION

The thermostat combined with an HVAC actuator is used to control a fan coil equipped with 2 pipes, 0-10V valve and 3(0-10V) Speed ventilation. The system will regulate the temperature of an office around the set point. An external command can be used to switch from winter to summer mode and vice versa. Set HVAC actuator the mode (comfort, eco, standby and protection).

1. Using the thermostat's touch-sensitive buttons, the user can:

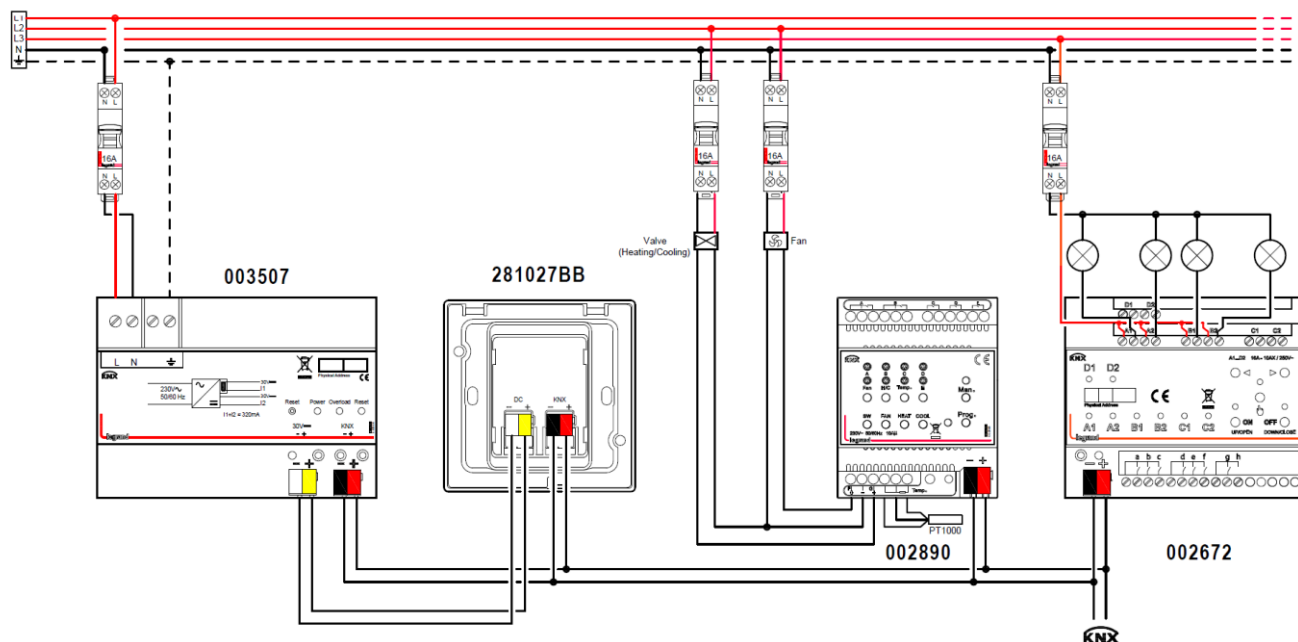
- Change the temperature setpoint.
- Select the mode (comfort, eco, standby and protection).
- Adjust the fan speed.

2.Using the thermostat buttons (4, 6 or 8), the user can also send a scene command to the bus. You can connect the corresponding actuator to execute the required scene.

Here is a table of compatible Malia thermostats.

LG-281027MW	KNX-Mallia Senses command 4 push with thermostat white
LG-281028MW	KNX-Mallia Senses command 6 push with thermostat white
LG-281029MW	KNX-Mallia Senses command 8 push with thermostat white
LG-281027DS	KNX-Mallia Senses command 4 push with thermostat silver
LG-281028DS	KNX-Mallia Senses command 6 push with thermostat silver
LG-281029DS	KNX-Mallia Senses command 8 push with thermostat silver
LG-281027BB	KNX-Mallia Senses command 4 push with thermostat black
LG-281028BB	KNX-Mallia Senses command 6 push with thermostat black
LG-281029BB	KNX-Mallia Senses command 8 push with thermostat black

3. WIRING DIAGRAM



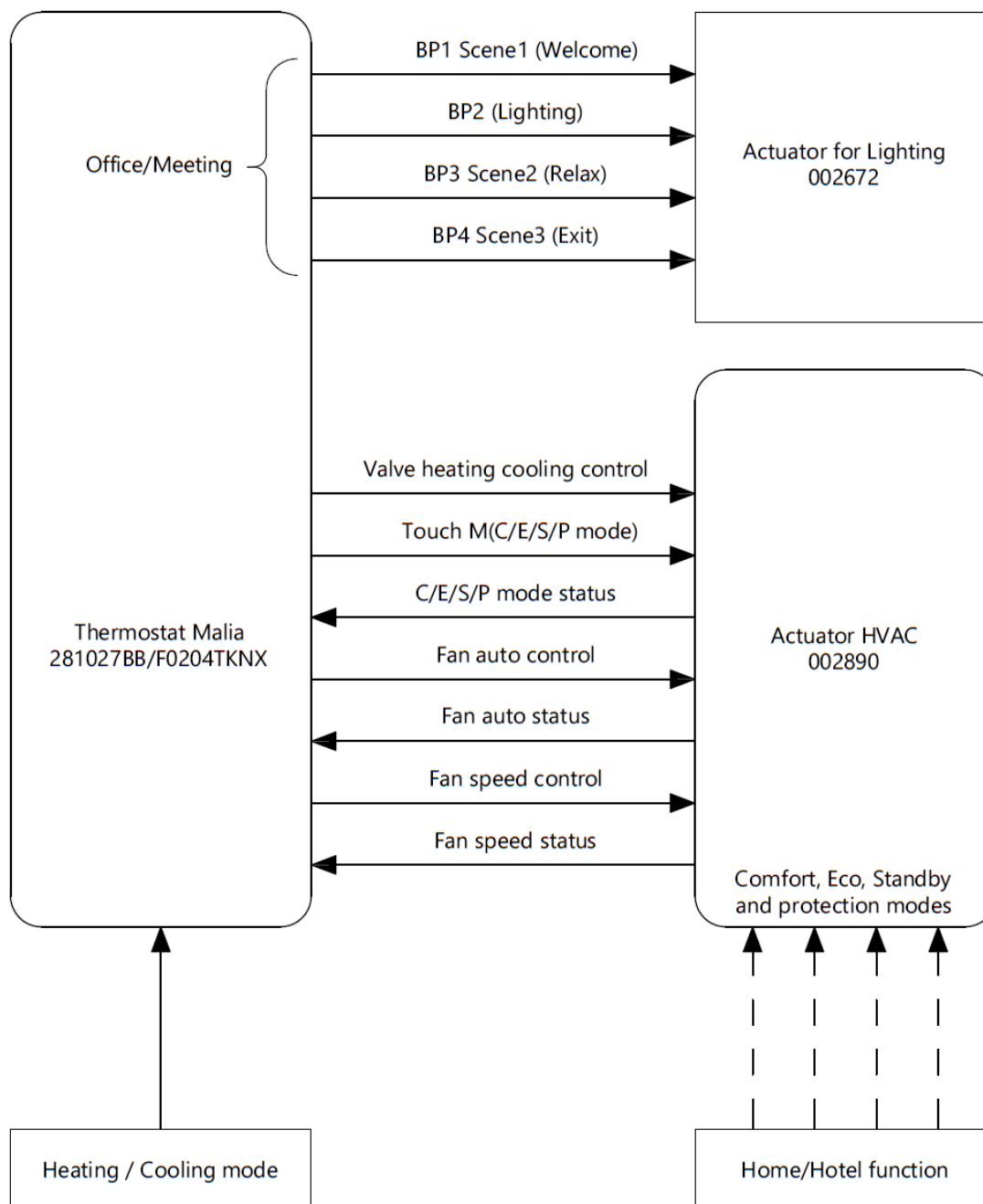
NB:

For more information about wiring each device, refer to the instructions on site.



www.legrand.com

4. KNX DIAGRAM



5. KNX Diagram

This project **002890_Thermoregulation 2P 0-10V Valves&Fan.knxproj** is available on www.legrand.com and can be imported into ETS5.

2-pipe temperature control

0-10V valves, 2 manual hot/cold change-over pipes

3(0-10V) Speed ventilation

Cat.No(s): 281027BB

0 028 90

0 026 72

6. DEVICE PARAMETERS WITH ETSS

6.1 Thermostat 281027BB

Devices ▾

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✗ Delete

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Default Parameters

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Devices ▾

Dynamic Folders

1.1.1 KNX-Mallia Senses command 4 push with...

1.1.2 KNX 0-10V Fan coil Actuator

1.1.3 LG-002672 Room Control Unit, 8 Output

1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black > General > General setting

General

General setting

Proximity setting

+ Button

+ Internal sensor

+ HVAC controller

Normal day backlight [10..100]

70

%

Normal night backlight [10..100]

50

%

Normal standby backlight [0..10]

5

%

Normal to standby delay time [1..255]

30

s

Buzzer volume level [0..5, 0=inactive]

5

Touch button vibration feedback

☐

Long operation for touch after

1.0

s

Devices ▾

+ Add Channels ▾

✗ Delete

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Highlight Changes

Default Parameters

Grant Customer Access

Devices ▾

Dynamic Folders

1.1.1 KNX-Mallia Senses command 4 push with...

1.1.2 KNX 0-10V Fan coil Actuator

1.1.3 LG-002672 Room Control Unit, 8 Output

1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black > General > Proximity setting

General

General setting

Proximity setting

+ Button

The Proximity function triggered via

Sensor

Object type of output value

1bit[On/Off]

Output value

☐ OFF ☒ ON

Delay time for sending [0..65535]s

0

Devices ▾

+ Add Channels ▾

✗ Delete

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Help

Highlight Changes

Default Parameters

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Devices ▾

Dynamic Folders

1.1.1 KNX-Mallia Senses command 4 push with...

1.1.2 KNX 0-10V Fan coil Actuator

1.1.3 LG-002672 Room Control Unit, 8 Output

1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black > Button > Button setting

+ General

- Button

Button setting

Button 1

Button 2

Button 3

Delay time for no operation [0..255, 0=inactive]

10

s

LED status object read request after restart

☐

Initial LED status

☒ No ☐ As status as object value "0"

Brightness setting

Brightness of cool white LED

50

%

Brightness of warm white LED

50

%

Devices ▾

+ Add Channels ▾

✗ Delete

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Help

Highlight Changes

Default Parameters

Grant Customer Access

Devices ▾

Dynamic Folders

1.1.1 KNX-Mallia Senses command 4 push with...

1.1.2 KNX 0-10V Fan coil Actuator

1.1.3 LG-002672 Room Control Unit, 8 Output

1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black > Button > Button 1

+ General

- Button

Button setting

Button 1

Button 2

Button 3

Function of button

Scene control

Distinction between short and long operation

☒ No ☐ Yes

Reaction on short operation or closing the contact

Recall scene

8 bit scene number

Scene NO.1

Reaction on long operation or opening the contact

No reaction

Disable function

☒ Disable ☐ Enable

2-pipe temperature control

0-10V valves, 2 manual hot/cold change-over pipes

3(0-10V) Speed ventilation

Cat.No(s): 281027BB

0 028 90

0 026 72

6. DEVICE PARAMETERS WITH ETSS (continued)

6.1 Thermostat 281027BB (continued)

Devices ▾

+ Add Channels | ✕ Delete | ⬇ Download | ? Help | 🍌 Highlight Changes | Default Parameters | Grant Customer Access

Devices ▾

Dynamic Folders

1.1.1 KNX-Mallia Senses command 4 push with...

1.1.2 KNX 0-10V Fan coil Actuator

1.1.3 LG-002672 Room Control Unit, 8 Output

1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black > Button > Button 2

+ General

- Button

Button setting

Button 1

Button 2

Button 3

Function of button

Scene control ▾

Distinction between short and long operation

☒ No ☐ Yes

Reaction on short operation or closing the contact

Recall scene ▾

8 bit scene number

Scene NO.2 ▾

Reaction on long operation or opening the contact

No reaction ▾

Disable function

☒ Disable ☐ Enable

Devices ▾

+ Add Channels | ✕ Delete | ⬇ Download | ? Help | 🍌 Highlight Changes | Default Parameters | Grant Customer Access

Devices ▾

Dynamic Folders

1.1.1 KNX-Mallia Senses command 4 push with...

1.1.2 KNX 0-10V Fan coil Actuator

1.1.3 LG-002672 Room Control Unit, 8 Output

1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black > Button > Button 3

+ General

- Button

Button setting

Button 1

Button 2

Button 3

Function of button

Scene control ▾

Distinction between short and long operation

☒ No ☐ Yes

Reaction on short operation or closing the contact

Recall scene ▾

8 bit scene number

Scene NO.3 ▾

Reaction on long operation or opening the contact

No reaction ▾

Disable function

☒ Disable ☐ Enable

Devices ▾

+ Add Channels | ✕ Delete | ⬇ Download | ? Help | 🍌 Highlight Changes | Default Parameters | Grant Customer Access

Devices ▾

Dynamic Folders

1.1.1 KNX-Mallia Senses command 4 push with...

1.1.2 KNX 0-10V Fan coil Actuator

1.1.3 LG-002672 Room Control Unit, 8 Output

1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black > Button > Button 4

+ General

- Button

Button setting

Button 1

Button 2

Button 3

Button 4

Function of button

Scene control ▾

Distinction between short and long operation

☒ No ☐ Yes

Reaction on short operation or closing the contact

Recall scene ▾

8 bit scene number

Scene NO.4 ▾

Reaction on long operation or opening the contact

No reaction ▾

Disable function

☒ Disable ☐ Enable

2-pipe temperature control

0-10V valves, 2 manual hot/cold change-over pipes

3(0-10V) Speed ventilation

Cat.No(s): 281027BB

0 028 90

0 026 72

6. DEVICE PARAMETERS WITH ETSS (continued)

6.1 Thermostat 281027BB (continued)

Devices ▾

+ Add Channels | ▾ - Delete - Download | ▾ ? Help Highlight Changes Default Parameters Grant Customer Access

Devices ▾

1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black > Button > LED function

+ General	LED 1 function	<input checked="" type="radio"/> Disable <input type="radio"/> Control by external object
- Button	LED 2 function	<input checked="" type="radio"/> Disable <input type="radio"/> Control by external object
Button setting	LED 3 function	<input checked="" type="radio"/> Disable <input type="radio"/> Control by external object
Button 1	LED 4 function	<input checked="" type="radio"/> Disable <input type="radio"/> Control by external object
Button 2		
Button 3		
Button 4		
LED function		

Devices ▾

+ Add Channels | ▾ - Delete - Download | ▾ ? Help Highlight Changes Default Parameters Grant Customer Access

Devices ▾

1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black > Internal sensor > Measurement setting

+ General	Temperature sensor setting	
+ Button	Temperature calibration	0.0 °C
- Internal sensor	Send temperature when the result change by [0..10]	0.5 °C
Measurement setting	Cyclically send temperature [0..255,0=inactive]	1 min

Devices ▾

+ Add Channels | ▾ - Delete - Download | ▾ ? Help Highlight Changes Default Parameters Grant Customer Access

Devices ▾

1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black > HVAC controller > Controller setting

+ General	Room temperature control function as	FCU control ▾
+ Button	Ventilation function	<input type="checkbox"/>
+ Internal sensor	Floor heating function	<input type="checkbox"/>
- HVAC controller		
Controller setting		

2-pipe temperature control

0-10V valves, 2 manual hot/cold change-over pipes

3(0-10V) Speed ventilation

Cat.No(s): 281027BB

0 028 90

0 026 72

6. DEVICE PARAMETERS WITH ETSS (continued)

6.1 Thermostat 281027BB (continued)

Devices ▾	
Dynamic Folders	1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black > HVAC controller > FCU setting
1.1.1 KNX-Mallia Senses command 4 push with thermostat...	General
1.1.2 KNX 0-10V Fan coil Actuator	General setting
1.1.3 LG-002672 Room Control Unit, 8 Output	Proximity setting
	+ Button
	+ Internal sensor
	- HVAC controller
	Controller setting
	+ FCU setting
	Work mode <input checked="" type="radio"/> Master <input type="radio"/> Slave
	Room temperature reference from <input checked="" type="radio"/> Internal sensor <input type="radio"/> External sensor
	Control value after temp. error [0..100] (if 2-point control, set value '0'=0, set value '>0'=1) <input type="text" value="0"/> %
	Interface display temperature <input type="radio"/> Setpoint temperature <input checked="" type="radio"/> Actual temperature
	Setpoint temperature adjustment step <input checked="" type="radio"/> 0.5K <input type="radio"/> 1K
	Min. setpoint temperature [5..37] <input type="text" value="16"/> °C
	Max. setpoint temperature [5..37] <input type="text" value="33"/> °C
	Power on/off status after download <input checked="" type="radio"/> OFF <input type="radio"/> ON
	Power on/off status after voltage recovery <input type="text" value="As before voltage failure"/>
	Low temperature protection when power off <input type="checkbox"/>
	Room temperature control mode <input type="text" value="Heating and Cooling"/>
	Heating/Cooling switchover <input checked="" type="radio"/> Only via object <input type="radio"/> Automatic changeover
	Heating/Cooling status after download <input type="radio"/> Heating <input checked="" type="radio"/> Cooling
	Heating/Cooling status after voltage recovery <input type="text" value="As before voltage failure"/>
	Room temperature control system <input checked="" type="radio"/> 2 pipes system <input type="radio"/> 4 pipes system
	Room temperature operation mode <input checked="" type="checkbox"/>
	Controller status after download <input type="text" value="Standby mode"/>
	Controller status after voltage recovery <input type="text" value="As before voltage failure"/>
	Extended comfort mode [0..255,0=inactive] <input type="text" value="0"/> min
	Window contact input function <input type="checkbox"/>
	Bus presence detector function <input type="checkbox"/>
	Fan <input checked="" type="checkbox"/>
	Timer <input type="checkbox"/>
	Scene <input type="checkbox"/>

2-pipe temperature control

0-10V valves, 2 manual hot/cold change-over pipes

3(0-10V) Speed ventilation

Cat.No(s): 281027BB

0 028 90

0 026 72

6. DEVICE PARAMETERS WITH ETSS (continued)

6.1 Thermostat 281027BB (continued)

Devices

Dynamic Folders

1.1.1 KNX-Mallia Senses command 4 push with...

1.1.2 KNX 0-10V Fan coil Actuator

1.1.3 LG-002672 Room Control Unit, 8 Output

1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black > HVAC controller > FCU setting > Setpoint

General

Button

Internal sensor

HVAC controller

Controller setting

FCU setting

Setpoint

Heating/Cooling control

Fan

Setpoint method for operating mode

Relative

Absolute

Heating

Setpoint temperature in comfort mode [5..37]

21

°C

Setpoint temperature in standby mode [5..37]

19

°C

Setpoint temperature in economy mode [5..37]

17

°C

Setpoint temperature in frost protection [5..10]

7

°C

Cooling

Setpoint temperature in comfort mode [5..37]

23

°C

Setpoint temperature in standby mode [5..37]

25

°C

Setpoint temperature in economy mode [5..37]

27

°C

Setpoint temperature in heat protection [30..37]

35

°C

Note: The heating setpoint must be always less than the cooling setpoint.

Devices

Dynamic Folders

1.1.1 KNX-Mallia Senses command 4 push with...

1.1.2 KNX 0-10V Fan coil Actuator

1.1.3 LG-002672 Room Control Unit, 8 Output

1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black > HVAC controller > FCU setting > Heating/Cooling control

General

Button

Internal sensor

HVAC controller

Controller setting

FCU setting

Setpoint

Heating/Cooling control

Fan

Type of heating/cooling control

Switching on/off(use 2-point control)

Invert control value

Heating

Lower Hysteresis [0..200]

10

*0.1K

Upper Hysteresis [0..200]

10

*0.1K

Cooling

Lower Hysteresis [0..200]

10

*0.1K

Upper Hysteresis [0..200]

10

*0.1K

Cyclically send control value[0..255]

0

min

Devices

Dynamic Folders

1.1.1 KNX-Mallia Senses command 4 push with...

1.1.2 KNX 0-10V Fan coil Actuator

1.1.3 LG-002672 Room Control Unit, 8 Output

1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black > HVAC controller > FCU setting > Fan

General

Button

Internal sensor

HVAC controller

Controller setting

FCU setting

Setpoint

Heating/Cooling control

Fan

Object datatype of 1byte fan speed

Percentage (DPT_5.001)

Fan stage (DPT_5.100)

Output value for Fan speed

Output value for Fan speed low

1

Output value for Fan speed medium

2

Output value for Fan speed high

3

Status feedback for Fan speed

Status value for Fan speed low

1

Status value for Fan speed medium

2

Status value for Fan speed high

3

Automatic operation function

External controller

2-pipe temperature control

0-10V valves, 2 manual hot/cold change-over pipes

3(0-10V) Speed ventilation

Cat.No(s): 281027BB

0 028 90

0 026 72

6. DEVICE PARAMETERS WITH ETSS (continued)

6.2 Actuator HVAC 0 028 90

Devices ▾	
Devices ▾	1.1.2 KNX 0-10V Fan coil Actuator > General
Dynamic Folders	General
1.1.1 KNX-Mallia Senses command 4 push with...	Relay operation delay after power voltage recovery[5...250s]
1.1.2 KNX 0-10V Fan coil Actuator	Sending cycle of "In operation" telegram (1...240s,0=inactive)
1.1.3 LG-002672 Room Control Unit, 8 Output	Manual operation
	Manual to automatic by
	Delay time*1s[10...6000]
	Report operation status function for HVAC
	Central control for switch function
	Interface Setting
	HVAC-General
	Temperature
	Heating/Cooling valve (0-10V)
	Fan
	Auto.operation

Devices ▾	
Devices ▾	1.1.2 KNX 0-10V Fan coil Actuator > Interface Setting
Dynamic Folders	General
1.1.1 KNX-Mallia Senses command 4 push with...	Fan drive interface
1.1.2 KNX 0-10V Fan coil Actuator	Fan speed 1 voltage*0.5V[1...20]
1.1.3 LG-002672 Room Control Unit, 8 Output	Fan speed 2 voltage*0.5V[1...20]
	Fan speed 3 voltage*0.5V[1...20]
	If fan is one level,the setting of 2 and 3 will be ignored
	HVAC Control mode
	HVAC System
	Heating/Cooling valve drive interface
	Interface Setting
	HVAC-General
	Temperature
	Heating/Cooling valve (0-10...
	Fan
	Auto.operation

Devices ▾	
Devices ▾	1.1.2 KNX 0-10V Fan coil Actuator > HVAC-General
Dynamic Folders	General
1.1.1 KNX-Mallia Senses command 4 push with...	Controller define
1.1.2 KNX 0-10V Fan coil Actuator	Control value object type
1.1.3 LG-002672 Room Control Unit, 8 Output	Monitoring control value
	HVAC-General

Devices ▾	
Devices ▾	1.1.2 KNX 0-10V Fan coil Actuator > Temperature
Dynamic Folders	General
1.1.1 KNX-Mallia Senses command 4 push with...	Temperature measure by
1.1.2 KNX 0-10V Fan coil Actuator	Time period for requesting external sensor[0...255]*min
1.1.3 LG-002672 Room Control Unit, 8 Output	Interface Setting
	HVAC-General
	Temperature

2-pipe temperature control

0-10V valves, 2 manual hot/cold change-over pipes

3(0-10V) Speed ventilation

Cat.No(s): 281027BB

0 028 90

0 026 72

6. DEVICE PARAMETERS WITH ETSS (continued)

6.2 Actuator HVAC 0 028 90 (continued)

Devices ▾																																		
<div>Devices</div> <div>Dynamic Folders</div> <div>1.1.1 KNX-Mallia Senses command 4 push with...</div> <div>1.1.2 KNX 0-10V Fan coil Actuator</div> <div>1.1.3 LG-002672 Room Control Unit, 8 Output</div>	<div>1.1.2 KNX 0-10V Fan coil Actuator > Heating/Cooling valve (0-10V)</div> <table><tbody><tr><td>General</td><td>Valve control mode</td><td><input checked="" type="radio"/> 2 state-10V/0V <input type="radio"/> Continuous control</td></tr><tr><td>Interface Setting</td><td>Valve type</td><td><input checked="" type="radio"/> Normal (de-energised closed) <input type="radio"/> Inverted (de-energised open)</td></tr><tr><td>HVAC-General</td><td>The Controller use 2-point control method</td><td><--Attention</td></tr><tr><td>Temperature</td><td></td><td></td></tr><tr><td>Heating/Cooling valve (0-10V)</td><td>Reply mode of Obj.*status of valve position* 1bit function</td><td><input type="radio"/> Respond after read only <input checked="" type="radio"/> Respond after change</td></tr><tr><td>Fan</td><td>Valve purge function</td><td><input type="radio"/> Disable <input checked="" type="radio"/> Enable</td></tr><tr><td>Auto.operation</td><td>Duration of valve purge time*min [1...255]</td><td>255</td></tr><tr><td>Fan status</td><td>Automatic valve purge</td><td><input type="radio"/> Disable <input checked="" type="radio"/> Enable</td></tr><tr><td>Scene</td><td>Purge Cycle in weeks[1...12]</td><td>1</td></tr><tr><td>Output A</td><td>Reply mode of Obj.*status of valve purge* 1bit function</td><td>Respond after change</td></tr><tr><td></td><td>"Disable heating/cooling" object function</td><td><input checked="" type="radio"/> Disable <input type="radio"/> Enable</td></tr></tbody></table>	General	Valve control mode	<input checked="" type="radio"/> 2 state-10V/0V <input type="radio"/> Continuous control	Interface Setting	Valve type	<input checked="" type="radio"/> Normal (de-energised closed) <input type="radio"/> Inverted (de-energised open)	HVAC-General	The Controller use 2-point control method	<--Attention	Temperature			Heating/Cooling valve (0-10V)	Reply mode of Obj.*status of valve position* 1bit function	<input type="radio"/> Respond after read only <input checked="" type="radio"/> Respond after change	Fan	Valve purge function	<input type="radio"/> Disable <input checked="" type="radio"/> Enable	Auto.operation	Duration of valve purge time*min [1...255]	255	Fan status	Automatic valve purge	<input type="radio"/> Disable <input checked="" type="radio"/> Enable	Scene	Purge Cycle in weeks[1...12]	1	Output A	Reply mode of Obj.*status of valve purge* 1bit function	Respond after change		"Disable heating/cooling" object function	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
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Devices ▾																																					
<div>+ Add Channels - Delete Download ? Help Highlight Changes Default Parameters Grant Customer Access</div>																																					
<div>Devices</div> <div>Dynamic Folders</div> <div>1.1.1 KNX-Mallia Senses command 4 push with...</div> <div>1.1.2 KNX 0-10V Fan coil Actuator</div> <div>1.1.3 LG-002672 Room Control Unit, 8 Output</div>	<div>1.1.2 KNX 0-10V Fan coil Actuator > Fan</div> <table><tbody><tr><td>General</td><td>Fan type</td><td><input type="radio"/> One level <input checked="" type="radio"/> Multi-level</td></tr><tr><td>Interface Setting</td><td>Fan speeds on 2 limit</td><td><input checked="" type="radio"/> No <input type="radio"/> Yes</td></tr><tr><td>HVAC-General</td><td>When bus recovery, fan speed is</td><td>Unchange</td></tr><tr><td>Temperature</td><td>After downloading, fan speed is</td><td>OFF</td></tr><tr><td>Heating/Cooling valve (Relay)</td><td>Threshold value for Fan speed 1[1...255]</td><td>1</td></tr><tr><td>Fan</td><td>Threshold value for Fan speed 2[1...255]</td><td>2</td></tr><tr><td></td><td>Threshold value for Fan speed 3[1...255]</td><td>3</td></tr><tr><td>Auto.operation</td><td>"Forced operation" function</td><td><input checked="" type="radio"/> Disable <input type="radio"/> Enable</td></tr><tr><td>Fan status</td><td>Auto. operation function (only for HVAC)</td><td><input type="radio"/> Disable <input checked="" type="radio"/> Enable</td></tr><tr><td>Scene</td><td>Direct operation function</td><td><input checked="" type="radio"/> Disable <input type="radio"/> Enable</td></tr><tr><td>Output A</td><td>Delay time for function OFF *0.1s [0...65535]</td><td>20</td></tr><tr><td></td><td>Starting characteristic of fan</td><td><input checked="" type="radio"/> Disable <input type="radio"/> Enable</td></tr></tbody></table>	General	Fan type	<input type="radio"/> One level <input checked="" type="radio"/> Multi-level	Interface Setting	Fan speeds on 2 limit	<input checked="" type="radio"/> No <input type="radio"/> Yes	HVAC-General	When bus recovery, fan speed is	Unchange	Temperature	After downloading, fan speed is	OFF	Heating/Cooling valve (Relay)	Threshold value for Fan speed 1[1...255]	1	Fan	Threshold value for Fan speed 2[1...255]	2		Threshold value for Fan speed 3[1...255]	3	Auto.operation	"Forced operation" function	<input checked="" type="radio"/> Disable <input type="radio"/> Enable	Fan status	Auto. operation function (only for HVAC)	<input type="radio"/> Disable <input checked="" type="radio"/> Enable	Scene	Direct operation function	<input checked="" type="radio"/> Disable <input type="radio"/> Enable	Output A	Delay time for function OFF *0.1s [0...65535]	20		Starting characteristic of fan	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
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Auto.operation	"Forced operation" function	<input checked="" type="radio"/> Disable <input type="radio"/> Enable																																			
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2-pipe temperature control

0-10V valves, 2 manual hot/cold change-over pipes

3(0-10V) Speed ventilation

Cat.No(s): 281027BB

0 028 90

0 026 72

6. DEVICE PARAMETERS WITH ETSS (continued)

6.2 Actuator HVAC 0 028 90 (continued)

Devices ▾																												
<div>Devices</div> <div>Dynamic Folders</div> <div>1.1.1 KNX-Mallia Senses command 4 push with...</div> <div>1.1.2 KNX 0-10V Fan coil Actuator</div> <div>1.1.3 LG-002672 Room Control Unit, 8 Output</div>	<div>1.1.2 KNX 0-10V Fan coil Actuator > Auto.operation</div> <table><tbody><tr><td>General</td><td>Auto.operation on object value</td><td><input type="radio"/> 0=Auto/1=Cancel <input checked="" type="radio"/> 1=Auto/0=Cancel</td></tr><tr><td>Interface Setting</td><td>State of Auto.operation after startup</td><td><input type="radio"/> Disable auto.operation <input checked="" type="radio"/> Enable auto.operation</td></tr><tr><td>HVAC-General</td><td>Automatically enable auto.operation</td><td><input checked="" type="radio"/> No <input type="radio"/> Yes</td></tr><tr><td>Temperature</td><td>Threshold value OFF<-->speed 1[1...255] (For 2 point,it's Tem.difference*0.1°C)</td><td>10</td></tr><tr><td>Heating/Cooling valve (0-10V)</td><td>Threshold value speed 1<-->speed 2 [1...255](For 2 point,it's Tem.difference*0.1°C)</td><td>20</td></tr><tr><td>Fan</td><td>Threshold value speed 2<-->speed 3 [1...255](For 2 point,it's Tem.difference*0.1°C)</td><td>30</td></tr><tr><td>Auto.operation</td><td>Hysteresis value is threshold value in +/- [0...50](For 2 point,it is unused)</td><td>10</td></tr><tr><td>Fan status</td><td>Minimum time in fan speed[0...65535]*s</td><td>10</td></tr><tr><td>Scene</td><td>Limitation function</td><td><input checked="" type="radio"/> Disable <input type="radio"/> Enable</td></tr></tbody></table>	General	Auto.operation on object value	<input type="radio"/> 0=Auto/1=Cancel <input checked="" type="radio"/> 1=Auto/0=Cancel	Interface Setting	State of Auto.operation after startup	<input type="radio"/> Disable auto.operation <input checked="" type="radio"/> Enable auto.operation	HVAC-General	Automatically enable auto.operation	<input checked="" type="radio"/> No <input type="radio"/> Yes	Temperature	Threshold value OFF<-->speed 1[1...255] (For 2 point,it's Tem.difference*0.1°C)	10	Heating/Cooling valve (0-10V)	Threshold value speed 1<-->speed 2 [1...255](For 2 point,it's Tem.difference*0.1°C)	20	Fan	Threshold value speed 2<-->speed 3 [1...255](For 2 point,it's Tem.difference*0.1°C)	30	Auto.operation	Hysteresis value is threshold value in +/- [0...50](For 2 point,it is unused)	10	Fan status	Minimum time in fan speed[0...65535]*s	10	Scene	Limitation function	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
General	Auto.operation on object value	<input type="radio"/> 0=Auto/1=Cancel <input checked="" type="radio"/> 1=Auto/0=Cancel																										
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Devices ▾																									
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General	Reply mode of Obj. "status ON/OFF mode" 1bit function	Respond after change																							
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Devices ▾																												
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General	Scene function	<input checked="" type="radio"/> Disable <input type="radio"/> Enable																										
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Fan status																												
Scene																												

2-pipe temperature control
0-10V valves, 2 manual hot/cold change-over pipes
3(0-10V) Speed ventilation

Cat.No(s): 281027BB
0 028 90
0 026 72

6. DEVICE PARAMETERS WITH ETSS (continued)

6.2 Actuator HVAC 0 028 90 (continued)

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Dynamic Folders

1.1.1 KNX-Mallia Senses command 4 push with...

1.1.2 KNX 0-10V Fan coil Actuator

1.1.3 LG-002672 Room Control Unit, 8 Output

1.1.2 KNX 0-10V Fan coil Actuator > Output A

General

Interface Setting

HVAC-General

Temperature

Heating/Cooling valve (Relay)

Fan

Auto.operation

Fan status

Scene

Output A

Switch function

☒ Disable

☐ Enable

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Dynamic Folders

1.1.1 KNX-Mallia Senses command 4 push with...

1.1.2 KNX 0-10V Fan coil Actuator

1.1.3 LG-002672 Room Control Unit, 8 Output

1.1.2 KNX 0-10V Fan coil Actuator > Output B

General

Interface Setting

HVAC-General

Temperature

Heating/Cooling valve (Relay)

Fan

Auto.operation

Fan status

Scene

Output A

Output B

Switch function

☒ Disable

☐ Enable

2-pipe temperature control
0-10V valves, 2 manual hot/cold change-over pipes
3(0-10V) Speed ventilation

Cat.No(s): 281027BB
0 028 90
0 026 72

6. DEVICE PARAMETERS WITH ETSS (continued)

6.2 Actuator HVAC 0 028 90 (continued)

Devices ▾

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Default Parameters

Grant Customer Access

Devices ▾

Dynamic Folders

1.1.1 KNX-Mallia Senses command 4 push with...

1.1.2 KNX 0-10V Fan coil Actuator

1.1.3 LG-002672 Room Control Unit, 8 Output

1.1.2 KNX 0-10V Fan coil Actuator > Output C

General

Interface Setting

HVAC-General

Temperature

Heating/Cooling valve (Relay)

Fan

Auto.operation

Fan status

Scene

Output A

Output B

Output C

Switch function

☒ Disable ☐ Enable

Devices ▾

+

Add Channels ▾

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Delete

↓

Download ▾

?

Help

🔍

Highlight Changes

Default Parameters

Grant Customer Access

Devices ▾

Dynamic Folders

1.1.1 KNX-Mallia Senses command 4 push with...

1.1.2 KNX 0-10V Fan coil Actuator

1.1.3 LG-002672 Room Control Unit, 8 Output

1.1.2 KNX 0-10V Fan coil Actuator > Output D

General

Interface Setting

HVAC-General

Temperature

Heating/Cooling valve (0-10V)

Fan

Auto.operation

Fan status

Scene

Output A

Output B

Output C

Output D

Switch function

☒ Disable ☐ Enable

2-pipe temperature control
0-10V valves, 2 manual hot/cold change-over pipes
3(0-10V) Speed ventilation

Cat.No(s): 281027BB
0 028 90
0 026 72

6. DEVICE PARAMETERS WITH ETSS (continued)

6.2 Actuator HVAC 0 028 90 (continued)

Devices

Devices

Dynamic Folders

1.1.1 KNX-Mallia Senses command 4 push with...

1.1.2 KNX 0-10V Fan coil Actuator

1.1.3 LG-002672 Room Control Unit, 8 Output

1.1.2 KNX 0-10V Fan coil Actuator > Output E

General

Interface Setting

HVAC-General

Temperature

Heating/Cooling valve (0-10V)

Fan

Auto.operation

Fan status

Scene

Output A

Output B

Output C

Output D

Output E

Switch function

Disable

Enable

2-pipe temperature control

0-10V valves, 2 manual hot/cold change-over pipes

3(0-10V) Speed ventilation

Cat.No(s): 281027BB

0 028 90

0 026 72

6. DEVICE PARAMETERS WITH ETSS (continued)

6.3 Actuator for Lighting 0 026 72

Devices ▾	
1.1.3 LG-002672 Room Control Unit, 8 Output > General	
General	Enable manual operation <input type="radio"/> disable <input checked="" type="radio"/> enable
Enable Output A...J	Reset manual operation to KNX operation <input checked="" type="radio"/> via push button <input type="radio"/> automatically and via push button
A1 - General	Device alive operation active <input type="radio"/> yes <input checked="" type="radio"/> no
A1 - Function	First telegram send time in s[2...255] <input type="text" value="2"/>
A1 - Scene	Telegram limit active <input type="radio"/> yes <input checked="" type="radio"/> no
A2 - General	Activate scene <input checked="" type="radio"/> yes <input type="radio"/> no
A2 - Function	Weather alarm function <input type="radio"/> yes <input checked="" type="radio"/> no

Devices ▾	
1.1.3 LG-002672 Room Control Unit, 8 Output > Enable Output A...J	
General	Output group A and B <input type="text" value="individually"/>
Enable Output A...J	Output group A <input type="radio"/> shutter/blind AC <input checked="" type="radio"/> 2 x switch
A1 - General	Output group B <input type="radio"/> shutter/blind AC <input checked="" type="radio"/> 2 x switch
A1 - Function	Output group C and D <input type="text" value="no function"/>

Devices ▾	
1.1.3 LG-002672 Room Control Unit, 8 Output > A1 - General	
General	Contact type <input type="radio"/> normally closed <input checked="" type="radio"/> normally open
Enable Output A...J	Send switch status feedback telegram <input type="text" value="after change or request"/>
A1 - General	Create status object "Status Switch" <input checked="" type="radio"/> yes <input type="radio"/> no
A1 - Function	Send status after bus voltage return <input type="radio"/> yes <input checked="" type="radio"/> no
A1 - Scene	Behavior after ETS program or after ETS reset <input type="text" value="keep position"/>
A2 - General	Behavior bus voltage failure <input type="text" value="keep position"/>
A2 - Function	Behavior bus voltage return <input type="text" value="state as before bus voltage failure"/>

Devices ▾	
1.1.3 LG-002672 Room Control Unit, 8 Output > A1 - Function	
General	Enable staircase <input type="radio"/> yes <input checked="" type="radio"/> no
Enable Output A...J	Enable external logic <input type="radio"/> yes <input checked="" type="radio"/> no
A1 - General	Enable priority <input type="radio"/> yes <input checked="" type="radio"/> no
A1 - Function	Enable sweep <input type="radio"/> yes <input checked="" type="radio"/> no

2-pipe temperature control

0-10V valves, 2 manual hot/cold change-over pipes

3(0-10V) Speed ventilation

Cat.No(s): 281027BB

0 028 90

0 026 72

6. DEVICE PARAMETERS WITH ETSS (continued)

6.3 Actuator for Lighting 0 026 72 (continued)

Devices ▾	
<div>Devices ▾</div> <div><div>Dynamic Folders</div><div>1.1.1 KNX-Mallia Senses command 4 push with...</div><div>1.1.2 KNX 0-10V Fan coil Actuator</div><div>1.1.3 LG-002672 Room Control Unit, 8 Output</div></div>	<div>1.1.3 LG-002672 Room Control Unit, 8 Output > A1 - Scene</div> <div><div>General</div><div>Enable Output A...</div><div>A1 - General</div><div>A1 - Function</div><div>A1 - Scene</div><div>A2 - General</div><div>A2 - Function</div><div>A2 - Scene</div><div>B1 - General</div><div>B1 - Function</div><div>B1 - Scene</div><div>B2 - General</div><div>B2 - Function</div><div>B2 - Scene</div></div> <div><div>Override scene on download</div><div><input checked="" type="radio"/> yes <input type="radio"/> no</div></div> <div><div>1...64 scene number (0 = no assignment)</div><div>1</div></div> <div><div>Value</div><div><input type="radio"/> OFF <input checked="" type="radio"/> ON</div></div> <div><div>1...64 scene number (0 = no assignment)</div><div>2</div></div> <div><div>Value</div><div><input checked="" type="radio"/> OFF <input type="radio"/> ON</div></div> <div><div>1...64 scene number (0 = no assignment)</div><div>3</div></div> <div><div>Value</div><div><input type="radio"/> OFF <input checked="" type="radio"/> ON</div></div> <div><div>1...64 scene number (0 = no assignment)</div><div>4</div></div> <div><div>Value</div><div><input checked="" type="radio"/> OFF <input type="radio"/> ON</div></div> <div><div>1...64 scene number (0 = no assignment)</div><div>0</div></div> <div><div>Value</div><div><input checked="" type="radio"/> OFF <input type="radio"/> ON</div></div> <div><div>1...64 scene number (0 = no assignment)</div><div>0</div></div> <div><div>Value</div><div><input checked="" type="radio"/> OFF <input type="radio"/> ON</div></div> <div><div>1...64 scene number (0 = no assignment)</div><div>0</div></div> <div><div>Value</div><div><input checked="" type="radio"/> OFF <input type="radio"/> ON</div></div> <div><div>1...64 scene number (0 = no assignment)</div><div>0</div></div> <div><div>Value</div><div><input checked="" type="radio"/> OFF <input type="radio"/> ON</div></div>

Devices ▾	
<div>Devices ▾</div> <div><div>Dynamic Folders</div><div>1.1.1 KNX-Mallia Senses command 4 push with...</div><div>1.1.2 KNX 0-10V Fan coil Actuator</div><div>1.1.3 LG-002672 Room Control Unit, 8 Output</div></div>	<div>1.1.3 LG-002672 Room Control Unit, 8 Output > A2 - General</div> <div><div>General</div><div>Enable Output A...</div><div>A1 - General</div><div>A1 - Function</div><div>A1 - Scene</div><div>A2 - General</div><div>A2 - Function</div><div>A2 - Scene</div></div> <div><div>Contact type</div><div><input type="radio"/> normally closed <input checked="" type="radio"/> normally open</div></div> <div><div>Send switch status feedback telegram</div><div>after change or request</div></div> <div><div>Create status object "Status Switch"</div><div><input checked="" type="radio"/> yes <input type="radio"/> no</div></div> <div><div>Send status after bus voltage return</div><div><input type="radio"/> yes <input checked="" type="radio"/> no</div></div> <div><div>Behavior after ETS program or after ETS reset</div><div>keep position</div></div> <div><div>Behavior bus voltage failure</div><div>keep position</div></div> <div><div>Behavior bus voltage return</div><div>state as before bus voltage failure</div></div>

Devices ▾	
<div>Devices ▾</div> <div><div>Dynamic Folders</div><div>1.1.1 KNX-Mallia Senses command 4 push with...</div><div>1.1.2 KNX 0-10V Fan coil Actuator</div><div>1.1.3 LG-002672 Room Control Unit, 8 Output</div></div>	<div>1.1.3 LG-002672 Room Control Unit, 8 Output > A2 - Function</div> <div><div>General</div><div>Enable Output A...</div><div>A1 - General</div><div>A1 - Function</div><div>A1 - Scene</div><div>A2 - General</div><div>A2 - Function</div></div> <div><div>Enable staircase</div><div><input type="radio"/> yes <input checked="" type="radio"/> no</div></div> <div><div>Enable external logic</div><div><input type="radio"/> yes <input checked="" type="radio"/> no</div></div> <div><div>Enable priority</div><div><input type="radio"/> yes <input checked="" type="radio"/> no</div></div> <div><div>Enable sweep</div><div><input type="radio"/> yes <input checked="" type="radio"/> no</div></div>

2-pipe temperature control

0-10V valves, 2 manual hot/cold change-over pipes

3(0-10V) Speed ventilation

Cat.No(s): 281027BB

0 028 90

0 026 72

6. DEVICE PARAMETERS WITH ETSS (continued)

6.3 Actuator for Lighting 0 026 72 (continued)

Devices ▾		
Devices ▾	1.1.3 LG-002672 Room Control Unit, 8 Output > A2 - Scene	
Dynamic Folders	General	Overwrite scene on download <input checked="" type="radio"/> yes <input type="radio"/> no
1.1.1 KNX-Mallia Senses command 4 push with...	Enable Output A...	
1.1.2 KNX 0-10V Fan coil Actuator	A1 - General	1...64 scene number (0 = no assignment) 1
1.1.3 LG-002672 Room Control Unit, 8 Output	A1 - Function	Value <input type="radio"/> OFF <input checked="" type="radio"/> ON
	A1 - Scene	1...64 scene number (0 = no assignment) 2
	A2 - General	Value <input checked="" type="radio"/> OFF <input type="radio"/> ON
	A2 - Function	1...64 scene number (0 = no assignment) 3
	A2 - Scene	Value <input type="radio"/> OFF <input checked="" type="radio"/> ON
	B1 - General	1...64 scene number (0 = no assignment) 4
	B1 - Function	Value <input checked="" type="radio"/> OFF <input type="radio"/> ON
	B1 - Scene	1...64 scene number (0 = no assignment) 0
	B2 - General	Value <input checked="" type="radio"/> OFF <input type="radio"/> ON
	B2 - Function	1...64 scene number (0 = no assignment) 0
	B2 - Scene	Value <input checked="" type="radio"/> OFF <input type="radio"/> ON

Devices ▾		
Devices ▾	1.1.3 LG-002672 Room Control Unit, 8 Output > B1 - General	
Dynamic Folders	General	Contact type <input type="radio"/> normally closed <input checked="" type="radio"/> normally open
1.1.1 KNX-Mallia Senses command 4 push with...	Enable Output A...	Send switch status feedback telegram after change or request
1.1.2 KNX 0-10V Fan coil Actuator	A1 - General	Create status object "Status Switch" <input checked="" type="radio"/> yes <input type="radio"/> no
1.1.3 LG-002672 Room Control Unit, 8 Output	A1 - Function	Send status after bus voltage return <input type="radio"/> yes <input checked="" type="radio"/> no
	A1 - Scene	Behavior after ETS program or after ETS reset keep position
	A2 - General	Behavior bus voltage failure keep position
	A2 - Function	Behavior bus voltage return state as before bus voltage failure
	A2 - Scene	
	B1 - General	

2-pipe temperature control
0-10V valves, 2 manual hot/cold change-over pipes
3(0-10V) Speed ventilation

Cat.No(s): 281027BB
0 028 90
0 026 72

6. DEVICE PARAMETERS WITH ETSS (continued)

6.3 Actuator for Lighting 0 026 72 (continued)

Devices ▾	
<div>Devices ▾<ul style="list-style-type: none">Dynamic Folders1.1.1 KNX-Mallia Senses command 4 push with...1.1.2 KNX 0-10V Fan coil Actuator1.1.3 LG-002672 Room Control Unit, 8 Output</div>	1.1.3 LG-002672 Room Control Unit, 8 Output > B1 - Function
General	Enable staircase <input type="radio"/> yes <input checked="" type="radio"/> no
Enable Output A...	Enable extenal logic <input type="radio"/> yes <input checked="" type="radio"/> no
A1 - General	Enable priority <input type="radio"/> yes <input checked="" type="radio"/> no
A1 - Function	Enable sweep <input type="radio"/> yes <input checked="" type="radio"/> no
A1 - Scene	
A2 - General	
A2 - Function	
A2 - Scene	
B1 - General	
B1 - Function	

Devices ▾	
<div>Devices ▾<ul style="list-style-type: none">Dynamic Folders1.1.1 KNX-Mallia Senses command 4 push with...1.1.2 KNX 0-10V Fan coil Actuator1.1.3 LG-002672 Room Control Unit, 8 Output</div>	1.1.3 LG-002672 Room Control Unit, 8 Output > B1 - Scene
General	Overwrite scene on download <input checked="" type="radio"/> yes <input type="radio"/> no
Enable Output A...	Assignment to scene number (no 1...64, 0 = no assignment) <input type="text" value="1"/>
A1 - General	Value <input checked="" type="radio"/> OFF <input type="radio"/> ON
A1 - Function	Assignment to scene number (no 1...64, 0 = no assignment) <input type="text" value="2"/>
A1 - Scene	Value <input type="radio"/> OFF <input checked="" type="radio"/> ON
A2 - General	Assignment to scene number (no 1...64, 0 = no assignment) <input type="text" value="3"/>
A2 - Function	Value <input type="radio"/> OFF <input checked="" type="radio"/> ON
A2 - Scene	Assignment to scene number (no 1...64, 0 = no assignment) <input type="text" value="4"/>
B1 - General	Value <input checked="" type="radio"/> OFF <input type="radio"/> ON
B1 - Function	Assignment to scene number (no 1...64, 0 = no assignment) <input type="text" value="0"/>
B1 - Scene	Value <input checked="" type="radio"/> OFF <input type="radio"/> ON
B2 - General	Assignment to scene number (no 1...64, 0 = no assignment) <input type="text" value="0"/>
B2 - Function	Value <input checked="" type="radio"/> OFF <input type="radio"/> ON
B2 - Scene	Assignment to scene number (no 1...64, 0 = no assignment) <input type="text" value="0"/>
	Value <input checked="" type="radio"/> OFF <input type="radio"/> ON

2-pipe temperature control
0-10V valves, 2 manual hot/cold change-over pipes
3(0-10V) Speed ventilation

Cat.No(s): 281027BB
0 028 90
0 026 72

6. DEVICE PARAMETERS WITH ETSS (continued)

6.3 Actuator for Lighting 0 026 72 (continued)

Devices ▾		
<div><div>Devices</div><div><div>Dynamic Folders</div><div>1.1.1 KNX-Mallia Senses command 4 push with...</div><div>1.1.2 KNX 0-10V Fan coil Actuator</div><div>1.1.3 LG-002672 Room Control Unit, 8 Output</div></div></div>	1.1.3 LG-002672 Room Control Unit, 8 Output > B2 - General	
	General	Contact type <input type="radio"/> normally closed <input checked="" type="radio"/> normally open
	Enable Output A...	Send switch status feedback telegram after change or request ▾
	A1 - General	Create status object "Status Switch" <input checked="" type="radio"/> yes <input type="radio"/> no
	A1 - Function	Send status after bus voltage return <input type="radio"/> yes <input checked="" type="radio"/> no
	A1 - Scene	Behavior after ETS program or after ETS reset keep position ▾
	A2 - General	Behavior bus voltage failure keep position ▾
	A2 - Function	Behavior bus voltage return state as before bus voltage failure ▾
	A2 - Scene	
	B1 - General	
	B1 - Function	
	B1 - Scene	
	B2 - General	

Devices ▾		
<div><div>Devices</div><div><div>Dynamic Folders</div><div>1.1.1 KNX-Mallia Senses command 4 push with...</div><div>1.1.2 KNX 0-10V Fan coil Actuator</div><div>1.1.3 LG-002672 Room Control Unit, 8 Output</div></div></div>	1.1.3 LG-002672 Room Control Unit, 8 Output > B2 - Function	
	General	Enable staircase <input type="radio"/> yes <input checked="" type="radio"/> no
	Enable Output A...	Enable external logic <input type="radio"/> yes <input checked="" type="radio"/> no
	A1 - General	Enable priority <input type="radio"/> yes <input checked="" type="radio"/> no
	A1 - Function	Enable sweep <input type="radio"/> yes <input checked="" type="radio"/> no
	A1 - Scene	Enable current detection <input type="radio"/> yes <input checked="" type="radio"/> no
	A2 - General	
	A2 - Function	
	A2 - Scene	
	B1 - General	
	B1 - Function	
	B1 - Scene	
	B2 - General	
	B2 - Function	

2-pipe temperature control

0-10V valves, 2 manual hot/cold change-over pipes

3(0-10V) Speed ventilation

Cat.No(s): 281027BB
0 028 90
0 026 72

6. DEVICE PARAMETERS WITH ETSS (continued)

6.3 Actuator for Lighting 0 026 72 (continued)

Devices ▾		
<div> <div>Devices</div> <div> <div>Dynamic Folders</div> <div>1.1.1 KNX-Mallia Senses command 4 push with...</div> <div>1.1.2 KNX 0-10V Fan coil Actuator</div> <div>1.1.3 LG-002672 Room Control Unit, 8 Output</div> </div> </div>	1.1.3 LG-002672 Room Control Unit, 8 Output > B2 - Scene	
General	Overwrite scene on download <input checked="" type="radio"/> yes <input type="radio"/> no	
Enable Output A...	Assignment to scene number (no 1...64, 0 = no assignment) <input type="text" value="1"/>	
A1 - General	Value <input checked="" type="radio"/> OFF <input type="radio"/> ON	
A1 - Function	Assignment to scene number (no 1...64, 0 = no assignment) <input type="text" value="2"/>	
A1 - Scene	Value <input type="radio"/> OFF <input checked="" type="radio"/> ON	
A2 - General	Assignment to scene number (no 1...64, 0 = no assignment) <input type="text" value="3"/>	
A2 - Function	Value <input type="radio"/> OFF <input checked="" type="radio"/> ON	
A2 - Scene	Assignment to scene number (no 1...64, 0 = no assignment) <input type="text" value="4"/>	
B1 - General	Value <input checked="" type="radio"/> OFF <input type="radio"/> ON	
B1 - Function	Assignment to scene number (no 1...64, 0 = no assignment) <input type="text" value="0"/>	
B1 - Scene	Value <input checked="" type="radio"/> OFF <input type="radio"/> ON	
B2 - General	Assignment to scene number (no 1...64, 0 = no assignment) <input type="text" value="0"/>	
B2 - Function	Value <input checked="" type="radio"/> OFF <input type="radio"/> ON	
B2 - Scene	Assignment to scene number (no 1...64, 0 = no assignment) <input type="text" value="0"/>	
	Value <input checked="" type="radio"/> OFF <input type="radio"/> ON	
	Assignment to scene number (no 1...64, 0 = no assignment) <input type="text" value="0"/>	
	Value <input checked="" type="radio"/> OFF <input type="radio"/> ON	

2-pipe temperature control

0-10V valves, 2 manual hot/cold change-over pipes

3(0-10V) Speed ventilation

Cat.No(s): 281027BB

0 028 90

0 026 72

6. DEVICE PARAMETERS WITH ETSS (continued)

6.4 Group address ETSS

Group Addresses															
Add Main Groups Delete Download Info Reset Unload Print															
Search															
Group Addresses	Device	Object	Sending	Data Type	C	R	W	T	U	Product	Program	Length	Priority	Group Ad	Description
Dynamic Folders															
1 HVAC function															
1/0 Control															
1/0/0 HVAC ON/OFF	1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black	90: FCU - ON/OFF, Out	S	switch	C	R	-	T	-	KNX-Mal...KNX-Malli...	1 bit	Low	1/0/0		HVAC ON/OFF
1/0/1 HVAC mode	1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black	95: FCU - Operation mode, Out	S	HVAC mode	C	R	-	T	-	KNX-Mal...KNX-Malli...	1 byte	Low	1/0/1		HVAC mode
1/0/2 Valve Heating/Cooling	1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black	96: FCU - Heating/cooling control value, Out	S	switch	C	R	-	T	-	KNX-Mal...KNX-Malli...	1 bit	Low	1/0/2		Valve Heating/Cooling
1/0/3 Fan speed control	1.1.2 KNX 0-10V Fan coil Actuator	34: Valve Heating/Cooling - Control value	S	switch	C	-	W	-	-	KNX 0-1...KNX 0-10V...	1 bit	Low	1/0/2		Valve Heating/Cooling
1/0/4 Fan automatic control	1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black	98: FCU - Fan speed, Out	S	fan stage (...C	R	-	T	-	-	KNX-Mal...KNX-Malli...	1 byte	Low	1/0/3		Fan speed control
1/0/5 Scenes	1.1.2 KNX 0-10V Fan coil Actuator	10: Fan - Fan speed	S	percentag...C	-	W	-	-	-	KNX 0-1...KNX 0-10V...	1 byte	Low	1/0/3		Fan speed control
1/1 Status															
1/1/0 HVAC ON/OFF	1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black	99: FCU - Fan Automatic operation, Out	S	enable	C	R	-	T	-	KNX-Mal...KNX-Malli...	1 bit	Low	1/0/4		Fan automatic control
1/1/1 HVAC mode status	1.1.2 KNX 0-10V Fan coil Actuator	20: Fan - Automatic function	S	enable	C	-	W	-	-	KNX 0-1...KNX 0-10V...	1 bit	Low	1/0/4		Fan automatic control
1/1/2 Valve Heating/Cooling status	1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black	10: Button 4 - Short/Close, Scene	S	scene num...C	-	-	T	-	-	KNX-Mal...KNX-Malli...	1 byte	Low	1/0/5		Scenes
1/1/3 Fan speed Status	1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black	7: Button 3 - Short/Close, Scene	S	scene num...C	-	-	T	-	-	KNX-Mal...KNX-Malli...	1 byte	Low	1/0/5		Scenes
1/1/4 Fan automatic status	1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black	4: Button 2 - Short/Close, Scene	S	scene num...C	-	-	T	-	-	KNX-Mal...KNX-Malli...	1 byte	Low	1/0/5		Scenes
2 Temperature management															
2/0 Current temperature	1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black	1: Button 1 - Short/Close, Scene	S	scene num...C	-	-	T	-	-	KNX-Mal...KNX-Malli...	1 byte	Low	1/0/5		Scenes
2/0/1 Temperature	1.1.3 LG-002672 Room Control Unit, 8 Output	1: General - Scene 8-bit	S	scene cont...C	-	W	-	-	-	LG-0026...LG-00267...	1 byte	Low	1/0/5		Scenes
2/0/2 Setpoint	1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black	78: FCU - ON/OFF status, In	S	switch	C	-	W	-	U	KNX-Mal...KNX-Malli...	1 bit	Low	1/1/0		HVAC ON/OFF
2/0/3 Instantaneous Setpoint	1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black	82: FCU - Operation mode, In	S	HVAC mode	C	-	W	-	U	KNX-Mal...KNX-Malli...	1 byte	Low	1/1/1		HVAC mode status
1/1/2 Valve Heating/Cooling status	1.1.2 KNX 0-10V Fan coil Actuator	37: Valve Heating/Cooling - Status of valve position	S	switch	C	R	-	T	-	KNX 0-1...KNX 0-10V...	1 bit	Low	1/1/2		Valve Heating/Cooling status
1/1/3 Fan speed Status	1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black	83: FCU - Fan speed, In	S	fan stage (...C	-	W	-	T	U	KNX-Mal...KNX-Malli...	1 byte	Low	1/1/3		Fan speed Status
1/1/4 Fan automatic status	1.1.2 KNX 0-10V Fan coil Actuator	16: Fan - Status Fan speed	S	counter pu...C	R	-	T	-	-	KNX 0-1...KNX 0-10V...	1 byte	Low	1/1/3		Fan speed Status
1/1/5 Scenes	1.1.1 KNX-Mallia Senses command 4 push with thermostat brushed black	84: FCU - Fan automatic operation, In	S	enable	C	-	W	T	U	KNX-Mal...KNX-Malli...	1 bit	Low	1/1/4		Fan automatic status
1/1/6 Fan automatic status	1.1.2 KNX 0-10V Fan coil Actuator	21: Fan - Status Automatic	S	enable	C	R	-	T	-	KNX 0-1...KNX 0-10V...	1 bit	Low	1/1/4		Fan automatic status

7. NOTES

The whole HVAC system is managed by thermostat 281027BB (heating/cooling regulation, setpoint mode and automatic ventilation).

When the customer arrives in the room, can set the temperature to comfort mode, and when they leave the temperature returns to economy mode or standby mode. (touch "M" button on the thermostat 281027BB to switch each mode.)

The HVAC valve is connected to controller 002890 (G connector) and fan is connected to controller 002890 (F connector); The room controller 002890 provide ON/OFF to switch or shut valve.

The setpoint value can be altered on thermostat 281027BB by touching the buttons "+" and "-".

The fan speed can be altered by touching the button on the bottom of the thermostat. There are 3 manual fan speed levels and an automatic mode run by the thermostat.