

2-pipe temperature control

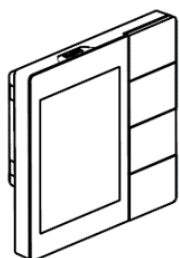
ON/OFF valves, 2 manual hot/cold change-over pipes

3(0-10V) Speed ventilation

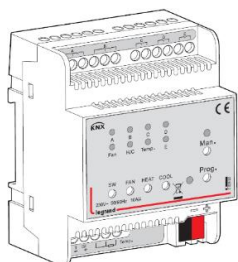
Cat.No(s): 281027BB

0 028 90

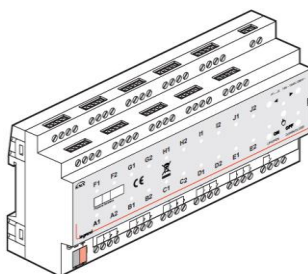
0 026 72



281027BB



0 028 90



0 026 72

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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, ON/OFF 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:

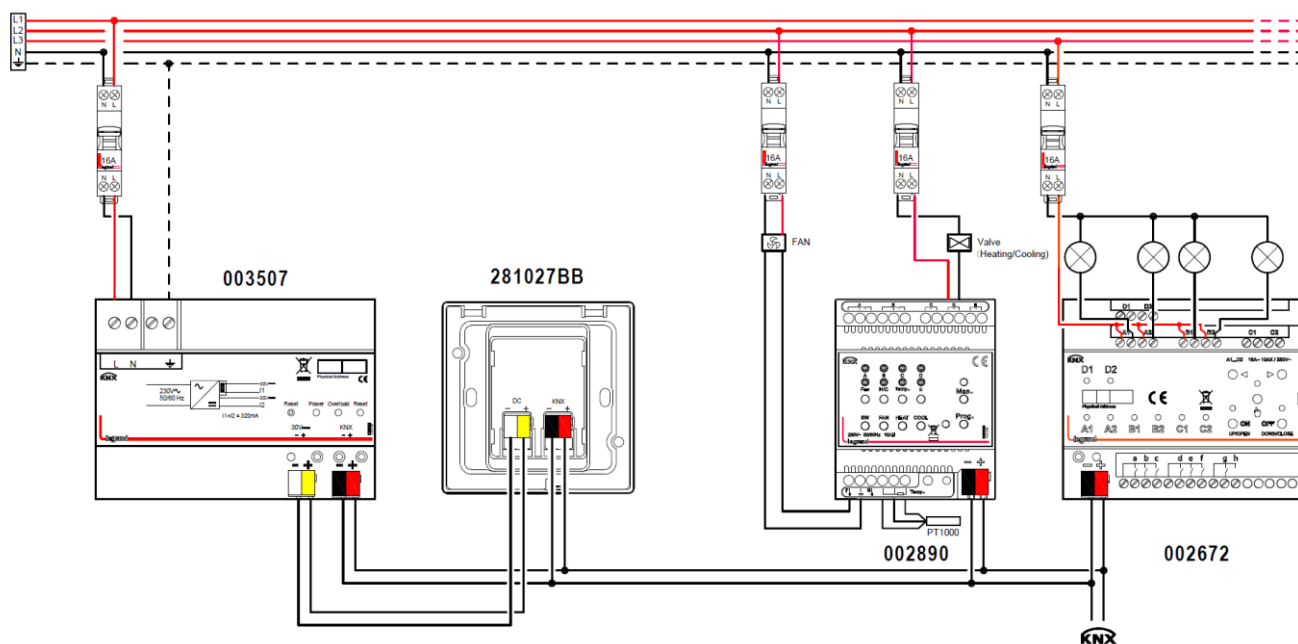
- Change the temperature setpoint.
- Select the mode (comfort, eco, standby and protection).
- Adjust the fan speed.

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 Mallia 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



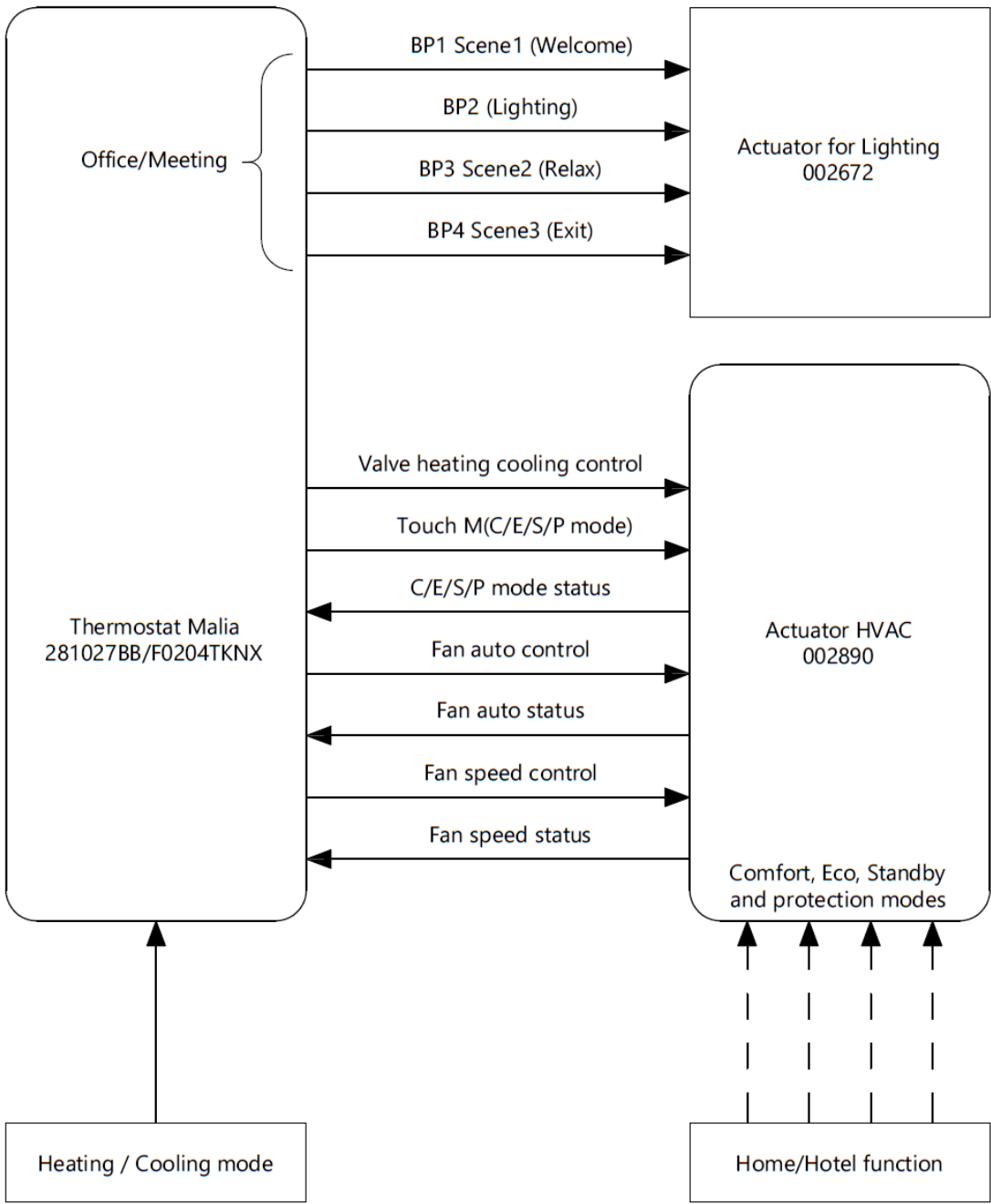
NB:

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 ON-OFF Valves 0-10V Fan.knxproj** is available on www.legrand.com and can be imported into ETS5.

2-pipe temperature control

ON/OFF 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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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 ▾

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Default Parameters

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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

1.1.1 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 ▾

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Default Parameters

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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

1.1.1 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 ▾

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Default Parameters

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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

1.1.1 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
ON/OFF 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

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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

1.1.1 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

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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

1.1.1 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
ON/OFF 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 ETS5 (continued)

6.1 Thermostat 281027BB (continued)

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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 > LED function

+

 General

−

 Button

Button setting

Button 1

Button 2

Button 3

Button 4

LED function

LED 1 function

☒ Disable
 ☐ Control by external object

LED 2 function

☒ Disable
 ☐ Control by external object

LED 3 function

☒ Disable
 ☐ Control by external object

LED 4 function

☒ Disable
 ☐ Control by external object

Devices

+ Add Channels

✗ Delete

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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

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

+ General

+ Button

- Internal sensor

Measurement setting

Temperature sensor setting

Temperature calibration

0.0

°C

Send temperature when the result change by [0..10]

0.5

°C

Cyclically send temperature [0..255,0=inactive]

1

min

Devices

+

 Add Channels

✗

 Delete

↓

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 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 > HVAC controller > Controller setting

+

 General

+

 Button

+

 Internal sensor

-

 HVAC controller

Room temperature control function as

Ventilation function

Floor heating function

FCU control

☐

☐

Controller setting

2-pipe temperature control

ON/OFF valves, 2 manual hot/cold change-over pipes

3(0-10V) Speed ventilation

Cat.No(s): 281027BB

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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="32"/> °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
ON/OFF valves, 2 manual hot/cold change-over pipes
3(0-10V) Speed ventilation

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6. DEVICE PARAMETERS WITH ETS5 (continued)

6.1 Thermostat 281027BB (continued)

Devices

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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 > 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

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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

+ General
+ Button
+ Internal sensor
- HVAC controller

Controller setting
FCU setting

Setpoint
Heating/Cooling control
Fan

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

Type of heating/cooling control
Invert control value

Heating
Lower Hysteresis [0..200]
Upper Hysteresis [0..200]

Cooling
Lower Hysteresis [0..200]
Upper Hysteresis [0..200]

Cyclically send control value[0..255]

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

Output value for Fan speed medium

Output value for Fan speed high

Status feedback for Fan speed

Status value for Fan speed low

Status value for Fan speed medium

Status value for Fan speed high

Automatic operation function

External controller

2-pipe temperature control

ON/OFF valves, 2 manual hot/cold change-over pipes

3(0-10V) Speed ventilation

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6. DEVICE PARAMETERS WITH ETSS (continued)

6.2 Actuator HVAC 0 028 90

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 > General

General

Interface Setting

HVAC-General

Temperature

Heating/Cooling valve (0-10V)

Fan

Auto.operation

Relay operation delay after power voltage recovery[5...250s]

Sending cycle of "In operation"telegram (1...240s,0=inactive)

Manual operation

Manual to automatic by

Delay time*1s[10...6000]

Report operation status function for HVAC

Central control for switch function

5

0

Disable

Enable

Only long press

Both long press and automatic Delay time

10

Disable

Enable

Disable

Enable

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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 > Interface Setting

General

Interface Setting

HVAC-General

Temperature

Heating/Cooling valve (Relay)

Fan

Auto.operation

Fan drive interface

Fan speed 1 voltage*0.5V[1...20]

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

0-10V(CH F)

5

10

20

<--Attention

Heating and Cooling

2 pipes system

4 pipes system

Relay control(CH D)

0-10V(CH G)

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 > HVAC-General

General

Interface Setting

HVAC-General

Controller define

Control value object type

Monitoring control value

Local

Bus

1bit

1byte

No

Yes

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 > Temperature

General

Interface Setting

HVAC-General

Temperature

Temperature measure by

Time period for requesting external sensor[0..255]*min

External sensor

1

2-pipe temperature control

ON/OFF valves, 2 manual hot/cold change-over pipes

3(0-10V) Speed ventilation

Cat.No(s): 281027BB

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6. DEVICE PARAMETERS WITH ETSS (continued)

6.2 Actuator HVAC 0 028 90 (continued)

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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 > Heating/Cooling valve (Relay)

General

Interface Setting

HVAC-General

Temperature

Heating/Cooling valve (Relay)

Fan

Auto.operation

Fan status

Scene

Output A

Output B

Valve control mode

Valve type

The Controller use 2-point control method

When bus failure, valve position

Reply mode of Obj.*status of valve position* 1bit function

Valve purge function

Duration of valve purge time*min [1...255]

Automatic valve purge

Reply mode of Obj.*status of valve purge* 1bit function

"Disable heating/cooling" object function

Trigger object value

☒ 2 state-ON/OFF ☐ Continuous,PWM

☒ Normal (de-energised closed) ☐ Inverted (de-energised open)

☐ Respond after read only ☒ Respond after change

☐ Disable ☒ Enable

☒ Disable ☐ Enable

☐ Disable ☒ Enable

☒ 0=Disable/1=Enable ☐ 1=Disable/0=Enable

Devices ▾

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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 > Fan

General

Interface Setting

HVAC-General

Temperature

Heating/Cooling valve (Relay)

Fan

Auto.operation

Fan status

Scene

Output A

Fan type

Fan speeds on 2 limit

When bus recovery, fan speed is

After downloading, fan speed is

Threshold value for Fan speed 1[1...255]

Threshold value for Fan speed 2[1...255]

Threshold value for Fan speed 3[1...255]

"Forced operation" function

Auto. operation function (only for HVAC)

Direct operation function

Delay time for function OFF *0.1s [0...65535]

Starting characteristic of fan

☐ One level ☒ Multi-level

☒ No ☐ Yes

☒ Disable ☐ Enable

☐ Disable ☒ Enable

☒ Disable ☐ Enable

☒ Disable ☐ Enable

2-pipe temperature control

ON/OFF valves, 2 manual hot/cold change-over pipes

3(0-10V) Speed ventilation

Cat.No(s): 281027BB

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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 <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 <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 <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) 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) 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) 30</td></tr><tr><td>Auto.operation</td><td>Hysteresis value is threshold value in +/- [0..50](For 2 point,it is unused) 10</td></tr><tr><td>Fan status</td><td>Minimum time in fan speed[0..65535]*s 10</td></tr><tr><td>Scene</td><td>Limitation function <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
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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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Heating/Cooling valve (0-10V)	Object value for Status Fan speed 1 [1..255] 1																
Fan	Object value for Status Fan speed 2 [1..255] 2																
Auto.operation	Object value for Status Fan speed 3 [1..255] 3																
Fan status																	

Devices ▾																			
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General	Scene function <input checked="" type="radio"/> Disable <input type="radio"/> Enable																		
Interface Setting																			
HVAC-General																			
Temperature																			
Heating/Cooling valve (0-10V)																			
Fan																			
Auto.operation																			
Fan status																			
Scene																			

2-pipe temperature control
ON/OFF 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

+ 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

1.1.2 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

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

1.1.2 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
ON/OFF 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 ETS5 (continued)

6.2 Actuator HVAC 0 028 90 (continued)

Devices

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

Devices	1.1.2 KNX 0-10V Fan coil Actuator > Output C	
Dynamic Folders	General	Switch function <input checked="" type="radio"/> Disable <input type="radio"/> Enable
1.1.1 KNX-Mallia Senses command 4 push with...	Interface Setting	
1.1.2 KNX 0-10V Fan coil Actuator	HVAC-General	
1.1.3 LG-002672 Room Control Unit, 8 Output	Temperature	
	Heating/Cooling valve (Relay)	
	Fan	
	Auto.operation	
	Fan status	
	Scene	
	Output A	
	Output B	
	Output C	

Devices

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

- 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	Switch function <input checked="" type="radio"/> Disable <input type="radio"/> Enable
Interface Setting	
HVAC-General	
Temperature	
Heating/Cooling valve (Relay)	
Fan	
Auto.operation	
Fan status	
Scene	
Output A	
Output B	
Output C	

[Output E](#)

2-pipe temperature control

ON/OFF 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	
Dynamic Folders	General
1.1.1 KNX-Mallia Senses command 4 push with...	Enable manual operation
1.1.2 KNX 0-10V Fan coil Actuator	Reset manual operation to KNX operation
1.1.3 LG-002672 Room Control Unit, 8 Output	Enable Output A...J
	A1 - General
	A1 - Function
	A1 - Scene
	A2 - General
	A2 - Function

Enable manual operation ☐ disable ☒ enable

Reset manual operation to KNX operation ☒ via push button ☐ automatically and via push button

Device alive operation active ☐ yes ☒ no

First telegram send time in s[2...255]

Telegram limit active ☐ yes ☒ no

Activate scene ☒ yes ☐ no

Weather alarm function ☐ yes ☒ no

Devices ▾	
1.1.3 LG-002672 Room Control Unit, 8 Output > Enable Output A...J	
Dynamic Folders	General
1.1.1 KNX-Mallia Senses command 4 push with...	Enable Output A...J
1.1.2 KNX 0-10V Fan coil Actuator	A1 - General
1.1.3 LG-002672 Room Control Unit, 8 Output	A1 - Function

Output group A and B

Output group A ☐ shutter/blind AC ☒ 2 x switch

Output group B ☐ shutter/blind AC ☒ 2 x switch

Output group C and D

Devices ▾	
1.1.3 LG-002672 Room Control Unit, 8 Output > A1 - General	
Dynamic Folders	General
1.1.1 KNX-Mallia Senses command 4 push with...	Enable Output A...J
1.1.2 KNX 0-10V Fan coil Actuator	A1 - General
1.1.3 LG-002672 Room Control Unit, 8 Output	A1 - Function

Contact type ☐ normally closed ☒ normally open

Send switch status feedback telegram

Create status object "Status Switch" ☒ yes ☐ no

Send status after bus voltage return ☐ yes ☒ no

Behavior after ETS program or after ETS reset

Behavior bus voltage failure

Behavior bus voltage return

Devices ▾	
1.1.3 LG-002672 Room Control Unit, 8 Output > A1 - Function	
Dynamic Folders	General
1.1.1 KNX-Mallia Senses command 4 push with...	Enable Output A...J
1.1.2 KNX 0-10V Fan coil Actuator	A1 - General
1.1.3 LG-002672 Room Control Unit, 8 Output	A1 - Function

Enable staircase ☐ yes ☒ no

Enable extenal logic ☐ yes ☒ no

Enable priority ☐ yes ☒ no

Enable sweep ☐ yes ☒ no

2-pipe temperature control

ON/OFF 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 > A1 - 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 > A2 - 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

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

2-pipe temperature control

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

Enable staircase	<input type="radio"/> yes <input checked="" type="radio"/> no
Enable extenal logic	<input type="radio"/> yes <input checked="" type="radio"/> no
Enable priority	<input type="radio"/> yes <input checked="" type="radio"/> no
Enable sweep	<input type="radio"/> yes <input checked="" type="radio"/> no

Devices ▾	
Devices ▾	1.1.3 LG-002672 Room Control Unit, 8 Output > B1 - Scene
Dynamic Folders	
1.1.1 KNX-Mallia Senses command 4 push with...	General
1.1.2 KNX 0-10V Fan coil Actuator	Enable Output A...
1.1.3 LG-002672 Room Control Unit, 8 Output	A1 - General
	A1 - Function
	A1 - Scene
	A2 - General
	A2 - Function
	A2 - Scene
	B1 - General
	B1 - Function
	B1 - Scene
	B2 - General
	B2 - Function
	B2 - Scene

Overwrite scene on download	<input checked="" type="radio"/> yes <input type="radio"/> no
Assignment to scene number (no 1...64, 0 = no assignment)	1
Value	<input checked="" type="radio"/> OFF <input type="radio"/> ON
Assignment to scene number (no 1...64, 0 = no assignment)	2
Value	<input type="radio"/> OFF <input checked="" type="radio"/> ON
Assignment to scene number (no 1...64, 0 = no assignment)	3
Value	<input type="radio"/> OFF <input checked="" type="radio"/> ON
Assignment to scene number (no 1...64, 0 = no assignment)	4
Value	<input checked="" type="radio"/> OFF <input type="radio"/> ON
Assignment to scene number (no 1...64, 0 = no assignment)	0
Value	<input checked="" type="radio"/> OFF <input type="radio"/> ON
Assignment to scene number (no 1...64, 0 = no assignment)	0
Value	<input checked="" type="radio"/> OFF <input type="radio"/> ON
Assignment to scene number (no 1...64, 0 = no assignment)	0
Value	<input checked="" type="radio"/> OFF <input type="radio"/> ON
Assignment to scene number (no 1...64, 0 = no assignment)	0
Value	<input checked="" type="radio"/> OFF <input type="radio"/> ON

2-pipe temperature control
ON/OFF 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>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>	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 <div>after change or request ▾</div>
	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 <div>keep position ▾</div>
	A2 - General	Behavior bus voltage failure <div>keep position ▾</div>
	A2 - Function	Behavior bus voltage return <div>state as before bus voltage failure ▾</div>
	A2 - Scene	
	B1 - General	
	B1 - Function	
	B1 - Scene	
	B2 - General	

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>	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

ON/OFF 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

ON/OFF 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	1/0/0 HVAC ON/OFF	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	1/0/1 HVAC mode	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	1/0/2 Valve Heating/Cooling	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	1/0/3 Fan speed control	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	1/0/4 Fan automatic control	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	1/0/5 Scenes	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	1/1/0 HVAC ON/OFF	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	1/1/1 HVAC mode status	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	1/1/2 Valve Heating/Cooling status	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	1/1/3 Fan speed Status	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	1/1/4 Fan automatic status	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	2/0 Current temperature	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	2/0/1 Temperature	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	2/0/2 Setpoint	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	2/0/3 Instantaneous Setpoint	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 Valve Heating/Cooling status	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	1/1/3 Fan speed Status	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	1/1/4 Fan automatic status	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
1/1/4 Fan automatic status	1/1/4 Fan automatic status	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
1/1/4 Fan automatic status	1/1/4 Fan automatic status	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 (D 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.