AUGUST 2017

SUG/U 1.1 Split Unit Gateway
Product presentation

STO/GPS, Product Management
Agenda

Overview
Functionality
System overview
Technical information
Commissioning
Diagnosis – i-bus Tool
The Split Unit Gateway forms the interface between the KNX system and climate control equipment from a wide range of manufacturers, also referred to as split unit.

The Split Unit Gateway is installed near the split unit and the transmitter of the supplied cable is bonded to the receiver of the unit itself. Thereafter, the climate control equipment no longer receives commands from a remote control but instead can be operated via any KNX sensors or via a visual display.

The split unit's functions can therefore be operated via KNX using any operating element.
The following functionality* can be controlled via KNX:

- Switch split unit On/Off
- Send setpoint temperature
- Select operating mode (Automatic, Heating, Cooling, Ventilation, Drying)
- Select fan stage (Automatic, Low, Med, High)
- Enable/disable horizontal and vertical swing
- Enable/disable Silent Mode

* Only if supported by the specific split unit model
Additionally, the Split Unit Gateway supports enhanced KNX functions which allow full integration into building automation:

- Forced operation (The split unit can be set to a certain state, e.g. for maintenance purposes)
- Window contact (When a signal of an open window is received from KNX, the Split Unit switches off)
- Presence (Depending on the room occupation, the Split Unit can adjust operating parameters)
- Scene
- Boost
Split Unit Gateway
SUG/U 1.1

System overview
Split Unit Gateway
SUG/U 1.1

Technical information

- Device can be installed in a flush-mounted or surface-mounted installation box
- The transmitter of the supplied IR cable (2m) is bonded to the receiver of the split unit
- No auxiliary voltage necessary (power from KNX)
- Dimensions 39 x 40 x 12 mm (H x W x D)
Commissioning

• The commissioning is done with a standard KNX application program
• To select the manufacturer and model of the remote control, there is a KNX APP available
• The APP can be downloaded free of charge from the KNX Online Shop of the KNX Association
• The APP allows very economic parameterization of the Split Unit Gateway (for all Gateways in the project the remote model can be selected at once)
• The ETS APP shows the functions supported by the specific remote control which is very convenient for commissioning

<table>
<thead>
<tr>
<th>Split Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer</td>
</tr>
<tr>
<td>DAIKIN</td>
</tr>
<tr>
<td>Remote (type)</td>
</tr>
<tr>
<td>APGS02</td>
</tr>
<tr>
<td>Version 1</td>
</tr>
</tbody>
</table>

Set point temperature range
16...30 °C

Operating modes
Cooling, Ventilation, Drying

Fan speeds
Automatic, Low=1, Medium=2, High=3

Swing
Vertical

Silent mode
Not supported
For diagnostic purposes, the i-bus Tool is available.
The tool shows (like the ETS APP) which functions are supported by the remote control.
This information is relevant for commissioning of the device.
The status of all functions is shown and all functions can be controlled for testing purposes.

Even without group addresses being connected, the i-bus Tool can be used to control the device.

The software features a function to send cyclically the setpoint temperature. This can be used to position the IR transmitter.