

# Datasheet Rosa Thermostats

## **EAE KNX Rosa Crystal Thermostat Series**

*All you need is EAE*



### General Features

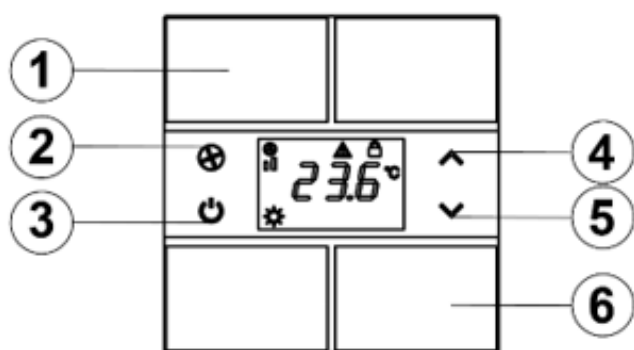


- Can be configured with ETS5 or higher version
- Glass Touch Button Design
- Temperature Adjustment on Digital LCD
- Integrated Temperature Sensor (°C/ °F)
- Integrated Humidity Sensor
- Cleaning Mode function
- Logical function
- Fan Speed Adjustment (1, 2, 3, Auto)
- Different Operation Modes (Comfort, Night, Away, OFF)
- Fully Automatic Function Mode (Heat – Cool transition)
- Control Flexibility for all HVAC units including VRF-VRV and AC
- PI rational, PI on-off (PWM), On/Off, Fan coil, Split unit controls
- Easy mount into 60x60 mm standard switch junction boxes
- 2 dependent or 4 independent programmable buttons
  - Switching
  - Dimming
  - Blind Control
  - Value transfer
  - Scene Control

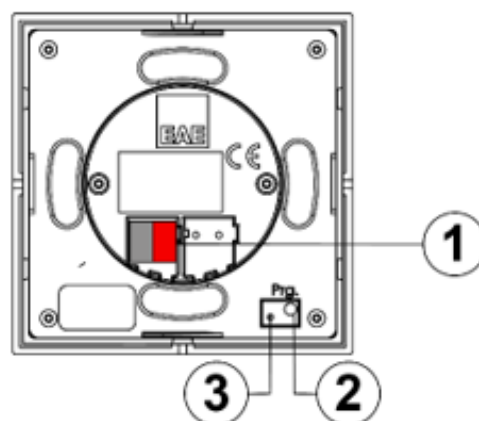
### Technical Data

<b>Safety Rating</b>	IP20	EN 60 529
<b>Safety Class</b>	II	EN 61 140
<b>Power Supply</b>	Voltage Current drawn from bus	21V... 30V DC, via the KNX bus <10mA
<b>Connections</b>	KNX	Bus Connection
<b>Operating Elements</b>	LED (red) LED (white)	Physical Address Programming Navigation LED and Button Status LEDs
<b>Operating Temperature</b>	Ambient Storage	-5° C + 45° C -25° C + 55° C
<b>Temperature Sensor</b>	Measurement Accuracy	±0,3 °C
<b>Humidity</b>	Max. Air humidity condensation	95 % no moisture
<b>Dimensions</b>	Front Side Side- Surface mounted part Side- Flush mounted part	85 x 85 mm 11 mm 19.4 mm
<b>Material</b>	Glass – Surface Polycarbonate – Flush mounted part	
<b>Color</b>	Black, White	
<b>CE</b>	In accordance with the EMC guideline and low voltage	
<b>Application Program</b>	Comm. Objects 76	Max. Group Addresses 254 Max. Matching 255

### Functional Elements and Connections



1. Programmable Touch Button Group 1
2. Fan Speed (1, 2, 3, A)
3. Operation Mode (Comfort, Night, Away, OFF)
4. Setpoint Temperature UP
5. Setpoint Temperature DOWN
6. Programmable Touch Button Group 2



1. KNX Port Terminal
2. Programming Button
3. Programming LED

### Technical Drawings

