

# ROYAL CRYSTAL THERMOSTAT

## KNX Royal Crystal Thermostat Series



### Main Features

- Glass Touch Button Design
- Temperature Adjustment on Digital LCD
- Integrated Temperature Sensor (°C/ °F)
- Fan Speed Adjustment (1, 2, 3, Auto)
- Different Operation Modes (Comfort, Night, Away, OFF)
- Fully Automatic Function Mode (hot-cold 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 Transmitting
  - Scene Control

								
Touch Operated	Glass Surface	Frameless Minimalist Design	Fully Automatic Heating Cooling Transition	Various of Colors	Independent Programmable Keys	Navigation LEDs	Feedback LEDs	Icon Options



## ROYAL CRYSTAL THERMOSTAT



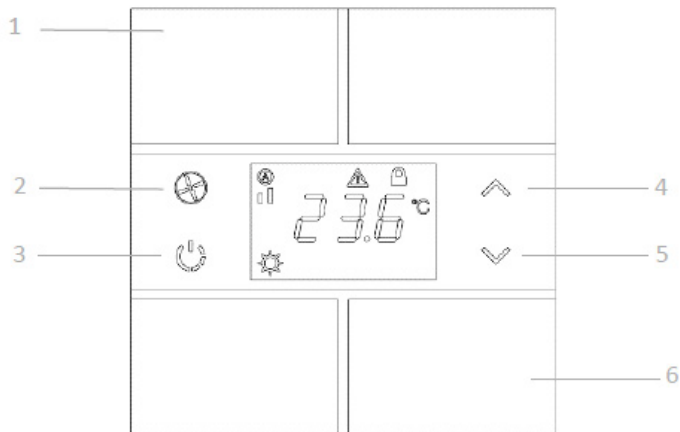
### Technical Data

<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	

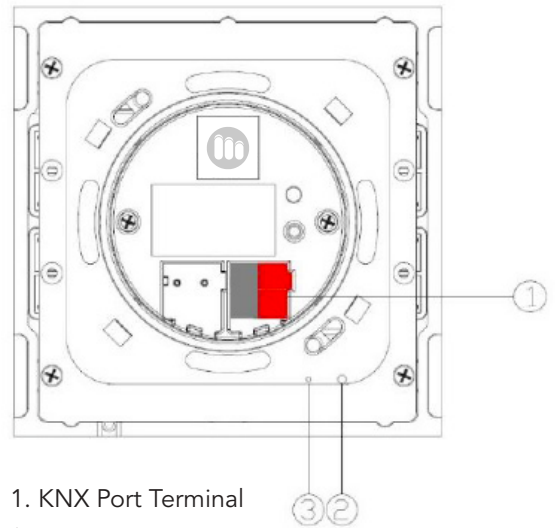


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## Functional Elements and Connections



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

