



## *Environmental product declaration*

### Product

Device type	<b>RVD240</b>
Designation	<b>District heating controller</b>
Product range	<b>SIGMAGYR</b>

### Process control

Siemens Building Technologies Ltd. Gubelstrasse 22, CH-6301 Zug		
Management system certified	since	by
ISO 14001 (environment)	<b>20 Oct. 1998</b>	<b>BSI</b>
ISO 9001 (quality)	<b>22 July 1986</b>	<b>BSI</b>

### Product use

Typical energy consumption per year	<b>approx. 35 kWh</b>
Maintenance	<b>none</b>
Environmental benefits	<b>see notes on page 2</b>

### Environmental risk (fire)

Fire protection as per	<b>EN 60730</b>
Fire load	<b>approx. 15 MJ</b>
Parts containing halogens (result in corrosive smoke)	<b>circuit board with components</b>

### Packaging

Paperboard, cardboard boxes, paper	<b>corrug. cardboard, paper</b>	<b>70 g</b>
	<b>foam sheeting PE</b>	<b>0.3 g</b>
Notes on disposal	<b>can be recycled – marked on packaging</b>	

<b>Materials</b>		total weight of device	<b>850 g</b>
Plastics	ABS, halogen-free, silicone-free	cover and front	<b>41 g</b>
	ASA, halogen-free, silicone-free	housing, rotary knob/covering	<b>103 g</b>
	PC, halogen-free, silicone-free	window frame	<b>18 g</b>
	ASA / PC, halogen-free, silicone-free	terminal base	<b>137 g</b>
	PA66, halogen-free, silicone-free	pivoting lever, 2 pcs.	<b>1 g</b>
	PA6, halogen-free, silicone-free	socket rail, upper and lower parts (*)	<b>33 g</b>
	Q, HTV silicone rubber	rubber membranes	<b>5 g</b>
Metals	Steel, zinc-plated	2 screws, M4x45	<b>5 g</b>
	Bronze, tin-plated/zinc-plated	socket rail	<b>29 g</b>
	Brass, nickel plated	socket rail	<b>30 g</b>
	Brass	auxiliary terminals	<b>25 g</b>
Circuit boards with components	FR4, containing halogens, SnPb solder	2 circuit boards with components	<b>391 g</b>
<b>Special components</b>	LCD, 15 cm <sup>2</sup> , unlit	on the circuit board	(11 g)
	Electrolytic capacitor	on the circuit board	(8 g)
	Relays, AgSnO <sub>2</sub> , AgNi contacts	9 pcs on circuit board	(54 g)
	CuSn/CuZn, PA6 plug connector	on the circuit board	(35 g)
	Transformer, with synthetic resin	on the circuit board	(200 g)

### Disposal



Do not dispose of the device as part of standard household garbage, but as special waste from electrical and electronic components. This particularly applies to electronic circuit boards.

Additionally, the law may mandate special treatment for specific components or special treatment may be ecologically sensible.

**Observe all local and applicable laws.**

### Notes

#### Environmental benefits

- Room control with optimized use of energy through the inclusion of outside heat via room temperature sensor.
- Demand-controlled pre-control for the lowest possible flow temperature minimizes heat loss.
- Minimized consumption (heat and electricity consumption) using the following functions: ECO heating limit switch, boost heating, quick setback, room maximum limitation.
- Standby function.
- Minimized electricity consumption through control of speed-controlled pumps.
- Differential temperature limitation (DRT function) prevents unused heat from being transported by using the lowest possible district heating return temperatures (reduction of transportation energy, minimization of heat loss).
- LPB and M-bus allow ecologically efficient network management.

#### Legal disclaimer: This declaration is for information purposes only.

The above information may be inaccurate or incomplete. Siemens Building Technologies Ltd. therefore does not assume liability for any error or any consequences which may arise from the use of this information to the maximum extent under the law.

If you require further information on environmental aspects and disposal, contact your local Siemens branch office.