



Environmental product declaration

Product

Device type	RVD110, RVD130, RVD230
Designation	District heating controller
Product range	SIGMAGYR

Process control

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

Product use

Typical energy consumption per year	approx. 35 kWh
Electromagnetic compatibility	
Low voltage safety	CE conformity
Maintenance	none
Environmental benefits	see notes on page 2

Environmental risk (fire)

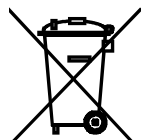
Fire protection as per	EN 60730
Fire load	approx. 15 MJ
Parts containing halogens (result in corrosive smoke)	circuit board with components

Packaging

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

Materials		total weight of device (*)	700 g
Plastics	ABS, halogen-free, silicone-free	cover and front	41 g
	ASA, halogen-free, silicone-free	housing, rotary knob/covering	102 g
	PC, halogen-free, silicone-free	window frame	18 g
	ASA/PC, halogen- and silicone-free	terminal base	137 g
	PA66, halogen-free, silicone-free	pivoting lever, 2 pcs	1 g
	PA6, halogen-free, silicone-free	socket rail, upper and lower parts	16 g
	Q, HTV silicone rubber	rubber membranes	5 g
Metals	Steel, zinc-plated	2 screws, M4x45	5 g
	Bronze, tin-plated/zinc-plated	socket rail, contact/screw (*)	14 g
	Brass, nickel plated	socket rail, terminal (*)	15 g
	Brass	auxiliary terminals (*)	18 g
Circuit boards with components	FR4, containing halogens, SnPb solder	2 circuit boards with components (*)	303 g
Special components	LCD, 15 cm ² , unlit	on the circuit board	(11 g)
	Electrolytic capacitors	on the circuit board	(8 g)
	Relays, AgSnO ₂ , AgNi contacts	on the circuit board (*)	(25 g)
	CuSn/CuZn, PA6 plug connector	on the circuit board (*)	(21 g)
	Transformer, with synthetic resin	on the circuit board (*)	(112 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

Material

(*) depending on the type

Type	RVD110	RDV130	RDV230
Total weight	700 g	750 g	850 g
Socket rail, PA6	(2) 16 g	(4) 33 g	(4) 33 g
Socket rail, CuSn/CuZn	(2) 29 g	(4) 59 g	(4) 59 g
Auxiliary terminals	(3) 18 g	(2) 12 g	(4) 25 g
Circuit board with components	303 g	303 g	391 g
Relays	(4) 25 g	(7) 53 g	(9) 54 g
Various connectors	(2) 21 g	(4) 35 g	(4) 35 g
Transformer	112 g	112 g	200 g

Environmental benefits

- Room control with optimized use of energy by 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.
- Minimized electricity consumption through control of speed-controlled pumps (RVD230 only).

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.