



Environmental Product Declaration

Product	Type of equipment	RVL481	
	Designation	Heating controller	
Process control	Siemens Switzerland Ltd Building Technologies Division Gubelstrasse 22 CH-6301 Zug		
	Management system certified	since	by
	ISO 14001 (environment)	20.10.1998	BSI
	ISO 9001 (quality)	22.07.1986	BSI
Environmentally compatible product design	Product responsibility of Siemens covers the entire product life cycle. Siemens already assesses, avoids and minimizes the environmental impact of its products with respect to production, procurement, sales, use, services and disposal during product and process planning phases by complying with Siemens standard SN 36350 "Environmentally compatible products".		
Product use	Max. energy consumption per year	Appr. 79 kWh/a	
	Maintenance	Not necessary	
Risk of fire	Fire protection according to	EN 60730-2-9	
	Fire load	25 MJ	
Packaging	20-PAP cardboard	Folded bottom box	77 g
	20-PAP cardboard	Insert	54 g
	22-PAP paper	Installation and operating instructions	228 g
	Notes on disposal	One-way, recyclable	

Materials		Total weight device	1062 g
Plastics	ASA	Front, Housing, Setting knob, Cover, Sealing plug	200 g
	ASA+PC	Terminal base	174 g
	PA66	Turning lever, Housing (Terminal strip), Bar, Key	39 g
	PC	Cover	49 g
	PMMA	Window frame	27 g
	VMQ	Rubber pad	8 g
Metals	CuZn nickel-plated	Terminal sleeve (Terminal strip)	28 g
	Copper tin-plated	Fork contact (Terminal strip)	11 g
	Steel chromated	Cylinder screw, Terminal plate, Connection screw, Key ring	31 g
PCB assembled	CuSn tin-plated and chromated	Screw (Terminal strip)	16 g
	FR4 / CEM3 TBBA SnAgCu	Operating PCB	90 g
	FR4 / CEM3 TBBA SnAgCu	I/O PCB	388 g
Special Components	AgSnO2	5 Relays	(48 g)
	AgSnO2	4 Relays (small)	(20 g)
	Epoxyde resin	1 Transformer	(201 g)

Weights in brackets are already included in components declared under materials.

Disposal



In terms of disposal, the unit is classified as electronic scrap conforming to the European Directive 2002/96/EG (WEEE) and must not be disposed of as domestic waste. The unit must be disposed of through the relevant channels. Local and currently valid legislation must be observed.

Comments

Materials:

The product is free from substances banned by Directive 2002/95/EC (RoHS):

Pb, Hg, Cr6+, PBB, PBDE: <0.1 % by weight in homogeneous materials

Cd: <0.01 % by weight in homogeneous materials

The silicone rubber mats (VMQ) have been heated at 200 °C for 2 hours.

The plastic parts were manufactured without silicone containing mold release agents.

The unit is halogen free, except the circuit boards (TBBA)

Environmental benefits:

Energy efficiency control through weather-dependent control and night setback.

Environment protection through solar d.h.w. heating.

This declaration is for information purposes only

This Environmental Product Declaration does not constitute a guarantee of the composition of a product, neither does it guarantee that the product will retain a particular composition for a particular period.

Siemens Switzerland Ltd therefore does not assume liability for any error or for any consequences which may arise from the use of this information to the maximum extent under the law.

Please contact your local Siemens branch office to get further information on environmental aspects and disposal.