



Environmental Product Declaration

Product	Type of equipment	RLU232, RLU236	
	Designation	Universal controller	
	Product line	Synco™ 200	
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)	12.07.1986	BSI
Environmentally compatible product design	Product responsibility of Siemens covers the entire product life cycle. Siemens already assess, avoids and minimizes the environmental impact of its products with respect to production, procurement, sales, use, services and disposal during the product and process planning phases by complying Siemens Standard SN 36350 "Environmentally compatible products".		
Product use	Typical energy consumption per year	Approx. 18 kWh/a	
	Maintenance	Not required	
	Environmental benefits	see note on page 2	
Risk of fire	Fire protection according to	Not applicable	
	Fire load	Approx. 10...11 MJ	
Packaging	Paperboard, cardboard boxes, paper	Folded bottom box, label	50.7 g
	Notes on disposal	Recyclable, proper separation possible	

Materials		Total weight of device	423...474 g
Plastics	PC	Terminal base, housing, terminal strips	266.4 g
	ASA	Sliders	0.9 g
	Silicone caoutchouc	Switching pad	3.1 g
Metals	Chromium nickel steel material no. 1.4310	Cage springs	7.9...10.8 g
	Copper alloy: P 0.1 %; Ni 1.8 %; Si 0.35 %; rest copper (97.75 %)	Contact springs	10.4...14.6 g
PCBs assembled	FR4, 8 % bromium TBBA	3 pieces	134...178 g
Special Components	LCD (surface 27.2 cm ²)	On PCB	(21.2 g)
	Electrolytic capacitor 3.8 cm ³	On PCB	(4.5 g)
	Electrolytic capacitor 0.8 cm ³	On PCB	(1.3 g)
	Relays, contacts AgSnO ₂ , AgNi 0.15	2...6 pieces on PCB	(16...48 g)

(Weights in brackets are already included in components declared under materials)

Disposal



The device is classified as waste electronic equipment in terms of the European Directive 2002/96/EC (WEEE) and should not be disposed of as unsorted municipal waste.

The relevant national legal rules are to be adhered to. Regarding disposal, use the systems setup for collecting electronic waste. Observe all local and applicable laws.

Comments

Materials

The devices are free from substances banned by the 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 caoutchouc buttons and panels used in the devices have undergone heat treatment at 200 °C for 2 hours. The plastic parts were produced without the use of silicone-containing releasing agents.

Environmental benefits

- High-quality PID controller operating with predefined and tested parameters
- Energy-saving setpoints and operating mode (Precomfort)
- Demand-dependent plant operation (plant is switched on only when required)
- Heating limit switch (heating is switched off in the summer)
- Second fan speed is switched on only when required by the room
- Load-dependent switching of pumps
- Indoor air quality control (demand-dependent switching of fan)

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.