



Environmental Product Declaration

Product	Type of equipment /	S55772-T103	RDS110.R Smart Thermostat wireless
	Product No.	S55772-T104	RCR114.1 Smart Thermostat Receiver
Product line, product range SRA			
Process control	Beijing Siemens Cerberus Electronics Ltd.		
	No.1 Fengzhi Dong Lu, Xi Bei Wang, Haidian District		
	100094, Beijing, China		
	Management System	since	by
	ISO 9001	06.01.2001	LPCB
ISO 14001	05.07.2005	SGS	
OHSAS 18001	12.12.2011	SGS	
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 the product and process planning phases by complying with Siemens EP Standard (former SN 36350) "Specifications on Environmentally Compatible Product and System Design".		
Product use	Typical energy consumption	44 ... 79kWh/a	
	Maintenance	Not necessary	
Risk of fire	Fire protection according to	EN 60950	
	Fire load	3 ... 5MJ	
Packaging	21-PAP Fiber board	Package box with printing	variant
	6-PS	Package inner box with sponge	variant
	22-PAP Paper	Document	variant
	Notes on disposal	recyclable	
Materials	Total weight of device	variant *) see below	
	The total weight of a device may deviate from the total of the weights of all individual components due to rounding.		
Plastics	ABS+PC; halogen-free	RDS110.R HMI front housing	variant
	PC; halogen-free	RDS110.R HMI rear housing	variant
	PC; halogen-free	RDS110.R Power front housing	variant
	PC; halogen-free	RDS110.R Power rear housing	variant
	PC; halogen-free	RDS110.R Deco-plate	variant
	PC; halogen-free	RCR114.1 bottom housing	variant
	PC; halogen-free	RCR114.1 mounting plate	variant
	PC; halogen-free	RCR114.1 top housing assembly	variant
	PC; halogen-free	RDS110.R WIFI antenna	variant
	PC; halogen-free	RDS110.R thread antenna	variant

Metals	PA66; halogen-free	Plastic insert	1g	
	Cu alloy	RDS110.R main shielding frame	variant	
	Cu alloy	RDS110.R main shielding cover	variant	
	Cu alloy	RDS110.R WIFI shielding frame	variant	
	Cu alloy	RDS110.R WIFI shielding cover	variant	
	Cu alloy	RDS110.R thread shielding frame	1g	
	Cu alloy	RDS110.R thread shielding cover	1g	
	Steel stainless	Munting plate EU	variant	
	Steel; zinc plated	GB/T 13806.2 ST1.6X4 PT Screw	variant	
	Steel; zinc plated	Screw ST2.6X6	variant	
	Steel; zinc plated	Screw ST3.0X7	variant	
	Steel; zinc plated	Cross head screw M3X10.5	variant	
	Steel; zinc plated	Nut M3	variant	
	Steel; nickel plated	ZZ headScrew M3X6	variant	
	Steel; zinc plated	Screw ST3.5X25_F	4g	
	Others	0	LCD module	variant
	PCBAs (Printed Circuit Board assembled)	FR4; TBBA; solder SnAgCu	RDS110.R main PCBA	variant
FR4; TBBA; solder SnAgCu		RDS110.R power PCBA	variant	
FR4; TBBA; solder SnAgCu		RCR114.1 PCBA	variant	

***Variant parts list**

	S55772-T103	S55772-T104											
Total weight of device	219	174											
RDS110.R HMI front housing	12												
RDS110.R HMI rear housing	16												
RDS110.R Power front housing	14												
RDS110.R Power rear housing	16												
RDS110.R Deco-plate	1												
RCR114.1 bottom housing		42											
RCR114.1 mounting plate		24											
RCR114.1 top housing assembly		28											
RDS110.R WIFI antenna	0												
RDS110.R thread antenna	0												
RDS110.R main shielding frame	1												
RDS110.R main shielding cover	2												
RDS110.R WIFI shielding frame	0												
RDS110.R WIFI shielding cover	1												
Munting plate EU	35												
GB/T 13806.2 ST1.6X4 PT Screw	0												
Screw ST2.6X6	1												
Screw ST3.0X7		1											
Cross head screw M3X10.5		1											
Nut M3		0											
ZZ headScrew M3X6	1												
LCD module	48												
RDS110.R main PCBA	28												
RDS110.R power PCBA	39												

RCR114.1 PCBA		74											
Packaging													
Package box with printing [g]	179	63											
Package inner box with sponge	70												
Document	66	25											

Comments

EU-directive 2011/65/EU (RoHS)

The device does not contain substances in concentrations and applications banned under the EU RoHS Directive, including the 4 phthalates added to Annex II in 2015.

Regulation (EC) No. 1907/2006 (REACH)

To the best of our knowledge and according to the information of our suppliers the above mentioned device and its packaging contain no substances of the candidate list according to Article 59 (1, 10) of the regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) in concentrations above 0.1 % w/w. Contained REACH candidate substances, which will become known at a later date, are listed on the delivery note.

(Status according to the creation date of this document.)

Legal Disclaimer: This declaration is for information purpose 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.

Beijing Siemens Cerberus Electronics 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.

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