



Environmental Product Declaration

Product

Type of equipment /	S55772-T103	RDS110.R Smart Thermostat wireless
Product No.	S55772-T104	RCR114.1 Smart Thermostat Receiver
	S55772-T110	RCR110.2ZB Connected Home Receiver
	S55772-T119	RCR111ZB Connected Home Receiver

Product line, product range SRA

Process control

Beijing Siemens Cerberus Electronics Ltd.
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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	8 ... 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
20-PAP Corrugated fibreboard	Corrugated fibreboard	variant
22-PAP Paper	Paper	variant
Notes on disposal	recyclable	

Materials

Total weight of device	variant *) see below
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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
	PA66; halogen-free	Plastic insert	1g
	PC; halogen-free	RCR111ZB Bottom housing	variant
	PC; halogen-free	RCR111ZB Mounting plate	variant
Metals	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
	0	LCD module	variant
	0	Termnial	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
	FR4; TBBA; solder SnAgCu	RCR110.2ZB PCBA	variant
	FR4; TBBA; solder SnAgCu	RCR111ZB PCBA	variant

***Variant parts list**

	S55772-T103	S55772-T104	S55772-T110	S55772-T119							
Total weight of device	219	174	174	145							
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	42								
RCR114.1 mounting plate		24	24								
RCR114.1 top housing assembly		28	28	28							
RDS110.R WIFI antenna	0										
RDS110.R thread antenna	0										
RCR111ZB Bottom housing				41							
RCR111ZB Mounting plate				23							
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	1									
Cross head screw M3X10.5		1	1	1								
Nut M3		0	0	0								
ZZ headScrew M3X6	1											
LCD module	48											
Termnial				5								
RDS110.R main PCBA	28											
RDS110.R power PCBA	39											
RCR114.1 PCBA		74										
RCR110.2ZB PCBA			74									
RCR111ZB PCBA				41								

Packaging

Package box with printing [g]	179											
Package inner box with sponge	70											
Document	66											
Corrugated fibreboard		101	101	101								
Paper		6	6	6								

Disposal

The device is classified as waste electronic equipment in terms of the European Directive 2012/19/EU (WEEE) and must not be disposed of as unsorted municipal waste. Regarding disposal, use the systems setup for collecting electronic waste.
Observe all local and applicable laws.

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.)

The device is halogen-free with exception of:
PCB (TBBA)

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.