



Environmental Product Declaration

Product

Type of equipment / Product No.	S55772-T100 S55772-T101	RDS110 Smart Thermostat RDS120 Smart Thermostat
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Product

Product line	SRA
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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 No. 1 (former SN 36350) "Specifications on Environmentally Compatible Product and System Design".

Product use

Typical energy consumption	79kWh/a
Maintenance	Not necessary

Risk of fire

Fire protection according to	EN 60950
Fire load	4 ... 5MJ

Packaging	21-PAP Fiber board	Package box with printing	42g
	6-PS	Package inner box with sponge	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; metallized; halogen-free	Smart Thermostat HMI Front housing	19g
	PC; halogen-free	Smart Thermostat HMI Rear housing	17g
	PC; halogen-free	Smart Thermostat extend rear housing	17g
	PC; halogen-free	Smart Thermostat extend front housing EU	variant
	PC; halogen-free	Smart Thermostat extend front housing US	variant
	PE; halogen-free	Smart Thermostat Fresnel lens	1g
	PC; halogen-free	Smart Thermostat Mounting Frame US	variant
	ABS+PC	Smart THE WiFi antenna support frame	4g

Metals	Cu alloy	Smart THE Shield co.WiFi Top	1g
	Cu alloy	Smart THE Shield co. WiFi Bottom	1g
	Steel stainless	Smart THE Mounting plate EU	36g
	Steel stainless	Smart THE Mounting plate US	58g
	Steel	GB/T 13806.2 ST1.6X4 PT Screw	1g
	Steel	Screw ST2.6X6	1g

Others Relays variant

PCBAs (Printed Circuit Board assembled)	FR4; halogen-free; solder SnAgCu	RDS110_Main PCB Assembly	24g
	FR4; halogen-free; solder SnAgCu	Smart Thermostat PIR PCB Assembly	4g
	FR4; halogen-free; solder SnAgCu	RDS110_Extend_230V PCB Assembly	variant
	FR4; halogen-free; solder SnAgCu	RDS120_Extend_24V PCB Assembly	variant

Special components
(part of the assembled PCB)

***Variant parts list**

	S55772-T100	S55772-T101										
Total weight of device [g]	253	261										
Smart Thermostat HMI Front hous	18	18										
Smart Thermostat HMI Rear hous	16	16										
Smart Thermostat extend rear ho	17	17										
Smart Thermostat extend front ho	12											
Smart Thermostat extend front ho		12										
Smart Thermostat Fresnel lens	1	1										
Smart Thermostat Mounting Fram		29										

Fire load	[MJ]	4	5												
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Typical energy consumption	[kWh/a]	79	79												
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Special components (part of the	[pcs]														

Packaging															
Package box with printing	[g]	42	42												
Package inner box with sponge		82	77												

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. The relevant national legal rules are to be adhered too. 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.

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.

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

The silicone rubber mats have been heated at 200 °C for 2 hours. The plastic parts were manufactured without silicone containing mold release agents.

The device is halogen-free.

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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