



Environmental Product Declaration

Product	Type of equipment	RWD45	
	Designation	Heat Pump Controller with 4 digital outputs and one modulating output	
	Product line	Autonomous controllers - RWD	
Manufacturer	Siemens BuildingTechnologies Ltd.		
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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 Siemens Standard SN 36350 "Environmentally compatible products".		
Product use	Typical energy consumption per year	25 kWh/a	
	Maintenance	Not necessary	
Risk of fire	Fire protection according to	EN 60730	
	Fire load	8 MJ	
Packaging	20-PAP Corrugated fiber board	Single unit in folded box	72 g
	Notes on disposal	One-way, recyclable	

Materials			Total weight of device	347 g
Plastics	PC	halogen-free	Top housing	91 g
	PC	halogen-free	Bottom housing	54 g
	Q silicone rubber	halogen-free	Silicon buttons	3 g
Metals	Steel	zinc plated	8 screws T2.6 x 6	3 g
	Steel	nickel plated	2 screws T3 x 24	2 g
	Tin (Zn coated)	plastic film coated	Metal sheet	2 g
PCB assembled	FR2, TBBA, SnAgCu		Power board	126 g
	FR4, TBBA, SnAgCu		CPU board	65 g

The total weight of a device may deviate from the total of the weights of all individual components due to rounding.

Special components			
Relay, contacts AgNi0.15	4 pcs		(32 g)
LCD 21 cm ²	1 pc		(14 g)
Ribbon cable, PVC/Cu	12 cm		(8 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 device is 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 device is halogen-free excepted the PCBs (TBBA and 12 cm PVC cable)

Legal disclaimer: 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 Building Technologies 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.