



Environmental Product Declaration

Product	Type of equipment / Designation	QAA910	Room Temp. Sensor
		QAC910	Meteo Sensor
		ERF910	RF Repeater
		QFP910	Water detector
		BRF910	KM bus module
		QAW910	Room unit
		QAW912	Room unit (Starter Kit)
	Product line	Synco living	
Process control	Siemens Switzerland Ltd Infrastructure & Cities Sector Building Technologies Division Gubelstrasse 22 CH-6301 Zug		
	Management system certified	since	by
	ISO 14001 (Environment)	20.10.1998	SQS
	ISO 9001 (Quality)	22.07.1986	SQS
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	ERF 910	18 kWh/a
		BRF 910	3 kWh/a
	Maintenance	Battery replacement (on warning)	
Risk of fire	Fire protection according to	EN 60730 (EN60950)	
	Fire load	3 - 6 MJ	
Packaging	20-PAP cardboard	Folded box	70 – 109 g
	Notes on disposal	One way, recyclable	

Materials		Total weight of device	Table*
Plastics	ASA+PC	Housing, upper / lower part, Battery compartment cover	Table*
	ASA+PC	Wall base	Table*
	ASA+PC	Mode / Timer button	Table*
	PMMA	Disk small, printed	Table*
	PA	Dowels, mounting kit	1 g
Metals	Steel, Zinc-plated	Fixing screws	5 g
Others	Alkaline-Mn	Batteries	Table*
	PA6.6, Cu Nickel-plated	Terminal block 2pol.	Table*
PCB assembled	FR4/CEM3, TBBA, SnAgCu solder	PCB	Table*

* Table

	QAA910	QAC910	ERF910	QFP910	BRF910	QAW910	QAW912
Total weight	141 g	241 g	280 g	191 g	104 g	209 g	211 g
Upper/lower part, Battery compartment cover	60 g	76 g	76 g				
Wall base	11 g	13 g	13 g				
Mode / Timer button						5 g	5 g
Disk						23 g	23 g
Alkaline batteries	49 g	49 g		49 g		49 g	49 g
Terminal strip 2pol.		8 g	8 g	8 g	8 g		
PCB assembled	15 g	15 g	15 g	16 g	15 g	38 g	40 g

QAC910: additionally Meteo Sensor QAC34/101 according to separate Environmental Product Decl. 92 g
 ERF910: additionally External power pack complete 180 g
 QFP910: additionally Water detector PVC soft, CuZn, Cu nickel-plated, tinned 41 g
 BRF910: additionally KM-bus connector PA, Cu nickel-plated 4 g

Disposal



The device is classified as waste electronic equipment in terms of the European Directive 2002/96/EC (WEEE) and must 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

EU-directive 2002/95/EC (RoHS)

The device is free from substances banned by the EU-Directive 2002/95/EC (RoHS) - allowing for the exemptions acc. to Decision 2010/571/EU:

Pb, Hg, Cr6+, PBB, PBDE: <0.1% by weight in homogeneous materials and Cd: <0.01% by weight in homogeneous materials

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.)

Environmental benefits

The wireless technology allows for efficient individual room control in old apartment blocks and is suited for renovation and upgrading projects.

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.
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.