

Issue no 4
Date of latest amendment 2009-06-16

General

 Product/product group: Controller (Waterborne climate systems)

 Designation: LUNA c RE (Zone Controls - R102)

 Manufacturer: SWEGON AB, Sweden Company Reg. No: 556077-8465

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Information about the manufacturer

Quality assurance system established	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
System secured by:	ISO 9001 certification	<input checked="" type="checkbox"/>	Other system	<input type="checkbox"/>
Environmental policy established by company management	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
Company affiliated to ICC trade/industry programme	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
Company EMAS registered	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>
Environmental management system established	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
System is secured by:	ISO 14001 certification	<input checked="" type="checkbox"/>	Other system	<input type="checkbox"/>
Company works with Life Cycle Analysis (LCA)	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
Other details about internal environment work:	LCA is documented as an annual investigation concerning the company environmental aspects.			

Product information

Criteria for environmental labelling of industry products is not available at present

Recommended area of application is outlined in the technical documentation	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
There is clear and responsibly applied labelling on the product/product group (manufacturer, product designation etc)	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
The labelling is linked to the technical documentation so that the product can be clearly identified	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
Other labelling or certification:	CE-certificate and S-mark			

1 Constituent materials

Details refer to standard products, therefore there may be some deviation depending on choice of variant, accessories etc.

Substance	Proportion	Recycled material	Re-usable material	Recyclable material	Energy recoverable material	For disposal
Plastic - Polylac - ABS	43%			100%		
Electronic components	46%					100%
FR-laminate	14%					100%



Substance	Proportion	Recycled material	Re-usable material	Recyclable material	Energy recoverable material	For disposal
Packing/cardboard	16%			100%		
Zinc plated steel	1%			100%		

Comments on the table:

- Manufacturer specifies requirements for environmental declarations, or equivalent from the supplier yes no
- Manufacturer specifies requirements for product information sheets in accordance with Sweden's Chemical Products Act (cf. ISO 110141) from the appropriate supplier of chemicals yes no
- The product contains more than 1 per cent by weight of a substance that appears on Sweden's Chemicals Inspectorate's Limitation and/or Observation Lists Yes, stated in table no

Substances included on Sweden's Chemicals Inspectorate's Limitation and/or Observation Lists and whose proportion in the product > 1% by weight

Substance	CAS Number	Proportion of finished product

2 Production

- Production plant requires permit or notification in accordance with current environmental legislation yes no
- Environmental report submitted annually to public authorities in accordance with current environmental legislation yes no
- Environmental statement can be supplied on request yes no
- Data on energy consumption and emissions to air, water and soil from the plant can be supplied on request yes no

3 Distribution of finished product

Indicate where the product is manufactured: Zone Controls AB, Verkstadsvägen 6, SE-137 37 Västerhaninge, Sweden

Method of transportation applicable to the product: Usually by truck

Material in packaging: Cardboard

- Company affiliated to the Swedish and the German recycling systems yes no
- Company applies a system using re-usable packaging yes no
- Company takes back packaging yes no



4 Construction phase

Documented instructions for installation and fitting are available for the product	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
Included in the documentation are requirements and recommendations for:				
- safety measures to be used during handling and installation	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>
- handling the goods at the workplace	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>

5 Usage phase

The product requires a supply of energy for operation during its intended use (electricity, power fuel, etc.)	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
The product requires chemicals for operation during its intended use (coolant, lubrication oil, etc.)	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>
Type of chemical:				
The product produces a pollution load of emissions into air/water (external environment) during its intended use	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>
During normal maintenance, the product requires:				
- consumable materials (type)	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>
During normal maintenance, the product requires:				
- chemicals (type)	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>
Documented instructions are available for the operation and maintenance of the product	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
The estimated service life of the product, assuming that operation and maintenance are carried out in accordance with the manufacturer's instruction			20 years	

6 Demolition

The product has been prepared for environmentally adopted disassembly	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
Further information about disassembly:	The product can be re-used or turned to fragmentation and recycling.			

7 Residual products

Refer to section 1, Constituent materials

8 Waste products

Refer to section 1, Constituent materials

9 Indoor environment

A declaration concerning the indoor environment is attached to the building product declaration	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>
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