

# Environmental declaration Type II

## GENERAL PRODUCT INFORMATION

### **Name of product series**

R31; R33; R34; R35

### **Packaging**

Cardboard

## COMPANY INFORMATION

### **Company, address and telephone**

AB REGIN

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### **Company description**

Regin is the collected trademark for products and systems within building automation. The company's knowledge is based on many years of wide experience within control, automation and flow control.

Regin AB has a certified quality assurance system according to ISO 9001

### **Ongoing environmental work**

Regin designs products on commission from clients as well as for resale. Regin can control environmental aspects related to product development and when choosing suppliers and components. Regin AB intend to begin working with environmental certification according to ISO 14001.

Regin AB intend to gradually start developing MVD Type II (Regin's own environmental declaration) for our products.

## PRODUCT INFORMATION

### **General**

Recommended field of application is stated in the technical documentation.

There is an unambiguous and lasting label (manufacturer, product name etc.) on the product.

The labelling is linked to the technical documentation which makes the product clearly identifiable.

### **Product design**

R3 is an electro-mechanical room thermostat intended for wall mounting. The thermostat contains a gas-filled bellows with a stainless steel membrane which reacts to changes in temperature by generating a movement which is transmitted to a change-over relay. The thermostat can control a heating or cooling function.

<b>Component modules</b>	<b>Weight gram</b>	<b>Weight %</b>
Cover, Knobs	27	21
Baseplate	33	26
Cover trigger group	7	6
Membrane and plate fixing bushing	4	3
Screws, nuts, lamellar blades	44	35
Lamellar blades, grommets, contacts	<10	8
Lamp, resistance	<1	1

**PRODUCT INFORMATION, RESOURCES AND HAZARDOUS SUBSTANCES**

<b>Component modules</b>	<b>Resources</b> (metals, organic, non-organic substances)	<b>Hazardous substances</b> (Kd, Hg, Pb, PCB, PVC, PBB, PBBE etc)
Cover, Knobs	ABS	
Baseplate	PA66	
Cover trigger group	PC+ABS	
Membrane and plate fixing bushing	AISI304	
Screws, nuts, lamellar blades	DC03+Fe/Zn5 2C	
Lamellar blades, grommets, contacts	Cu+OT67+Ni+Ag	
Lamp, resistance	---	

**Notes, the products content**

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**PRODUCTION**

The operation does not need licensing

**DISTRIBUTION**

**Production district** Castelletto sopra Ticino, Italy  
**Mode of transportation** Lorry  
**Mode of distribution** The commodity is normally distributed via a warehouse/wholesaler.  
**Wrapping Material** Wood, paper, plastic  
 Packaging material can not be returned  
 Regin AB is connected to REPA

**BUILDING PHASE**

Documented instructions for mounting and commissioning are included with the commodity.  
 In the instructions there are recommendations concerning

- Safeguard measurement for handling procedures and mounting.
- Handling of the commodity at the workplace and during mounting.

**USAGE PHASE****Running**

The product needs energy (electricity) during normal operation.  
 The product does not have any environmental impact to the surrounding environments during normal operation.  
 Normally, the product does not need any maintenance.  
 It is not possible to estimate the products life span in advance. It depends heavily on number of opening cycles.  
 There is no documentation concerning expected life span at different conditions.  
 Documented instructions for appropriate operation and maintenance are appended with the product.

**Emergency**

In case of fire the plastics can emit hazardous gases, but the volumes are small considering the products size.

## **DEMOLITION**

The product is prepared for environmentally sound dismantling.

## **WASTE MANAGEMENT**

The long life span of the product means that the recycling situation can be different from today when the product shall be recycled.

The product is required, by law, to be handled according to standard waste management procedures.

The materials can easily be separated into a high separation degree.

All the components in the product are recyclable. Either by recycling the material (all the metal and ABS-plastic) or by recycling the energy (packing etc.).