

## Environmental Declaration Type II

### GENERAL PRODUCT INFORMATION

| <i>Name of product(s)</i>           | <i>Packaging</i> |
|-------------------------------------|------------------|
| TG-D1x series with 1,5 or 3 m cable | Plastic bag, PE  |

### COMPANY INFORMATION

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

AB REGIN

Box 116

SE-428 22 Kålleröd

Sweden

Tel: +46 - (0)31 - 720 02 00

E-mail: info@regin.se

#### **Company description**

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

### PRODUCT INFORMATION

#### **General**

The recommended field of application is stated in the technical documentation.

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

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

#### **Product design**

The product consists of a 1.5 m or 3 m cable with an encapsulated measuring element in an Immersion tube made of stainless steel.

| <b>Component modules</b> | <b>Weight<br/>grams</b> | <b>Weight<br/>%</b> |
|--------------------------|-------------------------|---------------------|
| <i>Immersion sensor</i>  | 37                      | 27-43               |
| <i>Cable</i>             | 49-98                   | 57-73               |

### PRODUCT INFORMATION, RESOURCES AND HAZARDOUS SUBSTANCES

| <b>Component modules</b> | <b>Resources</b><br>(metals, organic, non-organic<br>substances) | <b>Hazardous<br/>substances</b><br>(Kd, Hg, Pb, PCB, PVC,<br>PBB, PBBE etc) |
|--------------------------|--|---|
| <i>Immersion sensor</i>  | Epoxy, Si, Cu, Fe, Sn, Au, Ag                                    |   |
| <i>Cable</i>             | PVC, Cu  |   |

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THE CHALLENGER IN BUILDING AUTOMATION

## **Notes, the product's content**

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### **PRODUCTION**

The components are mounted manually and automatically and are thereafter soldered together with classified soldering. The environmental consequences are negligible and consist solely of air outlet from soldering.

The operation does not require licencing

### **DISTRIBUTION**

|                               |  |
|-------------------------------|--|
| <b>Production origin</b>      | China  |
| <b>Mode of transportation</b> | Lorry, train, boat   |
| <b>Mode of distribution</b>   | The product is normally distributed via a warehouse/wholesaler |
| <b>Wrapping Material</b>      | Wood, paper, plastic   |

Packaging material can not be returned.  
AB Regin is connected to FTI.

### **BUILDING PHASE**

Documented instructions for mounting and commissioning are available at [www.regincontrols.com](http://www.regincontrols.com).  
The instructions contain recommendations concerning

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

### **USAGE PHASE**

#### **Normal operation**

The product does not have any environmental impact on the surrounding environment during normal operation.

Normally, the product does not require any maintenance.

It is possible to estimate the products life span in advance.

There is no documentation concerning the expected life span when the product is under different conditions.

Documented instructions for appropriate operation and maintenance are available at [www.regincontrols.com](http://www.regincontrols.com).

#### **Emergency**

In case of fire the plastic may emit gases harmful to human health. The amounts of these substances are small compared with the size of the product.

### **DEMOLITION**

The product is prepared for environmental-friendly dismantling.

Dismantling of the product:

1. Disconnect the cable from the sensor
2. Sort as electrical scrap

## **WASTE MANAGEMENT**

The long life span of the product means that the recycling situation may differ from today when the product is recycled.

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

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

Plastic parts can, theoretically, be recycled. Recovering of energy through combustion is considered the best option in the present situation, since the plastic does not contain any substances dangerous to the environment.

Circuit boards with components are required by law to be dismantled and constituent components to be identified. Swedish companies in electronic recycling separate in three main fractions. Recycling of materials, recovering of energy and dangerous waste.

Identified metallic constituents are returned to metal recycling.

Combustible materials are returned for safe disposal in a licenced incinerator.

Dangerous waste is returned for destruction to a licenced entrepreneur.