EXOcompact
Environment Declaration
of Products

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General

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EXOflex has been developed to be as little harmful to the environment as possible, during manufacturing, during use, and after its lifetime. To ensure this, EXOflex has gone through the processes below.

Processes

AB Regin is certified according to ISO9001:2000. In this quality system there are parts that normally are in the environmental management system ISO14000. During the development and production phases, considerations are made not only to quality aspects, but also to environmental aspects, which are described below in a life cycle approach.

Development Processes

One main construction goal for Regin is to make back compatible constructions. From an environmental point of view, this means that when a new control system from Regin is introduced, it can co-exist with the old system. Normally installations are built gradually, and the customer can by choosing products from Regin, keep already made investments and thus take advantage of the fact that the product has a calculated lifetime of at least 10 years.

During the development process, there are a number of rules that limit the choice of components that are harmful to the environment. The chemical inspection's OBS and limitation lists are used as a reference for this. To comply with legislative demands, and simultaneously take maximum environmental considerations, the least harmful bromined flame protection agents are used in plastic details. Concerning the RoH directive about demands regarding limitation of the use of components containing lead and chromium, most of our components are now lead-free. For the present, we refer to exceptions from this directive until there is a functioning alternative.

The development process includes taking care of making the products require as little maintenance as possible, and when maintenance is needed it should be as simple and environment friendly as possible.

The development process also includes taking into account that the recycling of the products should be as simple and environment friendly as possible.

Production Processes

Regin has no production. Most of our products are produced in Sweden under severe supervision.

The Use Phase

Maintenance

Normally no maintenance is required. The battery for memory backup has to be exchanged every 5 years at most. The battery is placed in a holder on the base card.

Battery backup of CPU memory and Real Time Clock ..... Lithium cell (min. 5 years)
button cell .....type CR2032

Exhaust

EXOcompact gives no environmental effects on air or water during normal use.

Fire

In case of fire, use CO2 or other by fire authority recommended fire-fighting agent for electronics. Toxic fumes can be exhausted at burning.

Service

If the unit stops working, the whole unit or a part or it is sent to Regin for service. Resellers take care of this.

Packings

Packing materials are handled by REPA, which Regin is associated with and pays environmental fee.

End Handling, Recycling

EXOcompact is optimized for environment friendly recycling. This has been achieved by modular design of the product, that is by dividing it in functional units that, if an error occurs, easily can be replaced or upgraded during the product's lifetime. When the product has served its time, it can easily be fragmented in its parts. Then some parts can be reused, or alternatively be recycled.

-PCBs are handled as electronic waste according to valid regulations for hazardous waste.

Declaration of Contents

		EXOcompact modell: (weight, g)					
Component	**Description**	**C80**	**C150**	**C280**	**C80D**	**C150D**	**C280D**
Plastic / Rubber							
- base part	PC. Color: graphite gray	48	48	48	48	48	48
- lock for DIN rail	PC. Color: graphite gray	2	2	2	2	2	2
- cover without display glass	PC, colored gray. Front spray-painted in NCS6030R90B	76	76	76	78	78	78
- keypad	Rubber				6	6	6
Circuit Board, PCB							
- base card, FR4		121	136	156	121	136	156
- display circuit board, FR2					60	60	60
Total Weight, g:		**247**	**262**	**282**	**307**	**322**	**342**
Addition for LON Port:29g	**Model:**	**C80L**	**C150L**	**C280L**	**C80DL**	**C150DL**	**C280DL**
Total Weight, g :		**276**	**291**	**311**	**336**	**351**	**371**

		External Displays, model: (weight, g)		
Component	**Description**	**ED9200**	**ED9100 3/10**	**E-DSP 3/10**
Plastic / Rubber				
- base part	ABS in ED, PC in E-DSP	77	77	36
- border	ABS in ED, PC in E-DSP	30	30	48
- rubber buttons	Silicone rubber, gray			7
- overlay	Polyester (PET)	40	40	
Circuit Board, PCB	FR4	100	100	78
Metal	Screw, Fe	5	5	2
Cable 3m/10m			99/380	99/380
Total Weight, g:		**252**	**351/632**	**269/550**