

OJ ELECTRONICS A/S
STENAGER 13 B
DK-6400 SØNDERBORG
DENMARK

T. +45 73 12 13 14
F. +45 73 12 13 13
WWW.OJELECTRONICS.COM
OJ@OJELECTRONICS.COM
CVR 10643597



14 November 2023

OJ Declaration on Environment and Materials AHC-3000-S, Standard Compact AHU Controller

Environmental commitment of OJ Electronics A/S

Green vision

OJ Electronics will continue to develop intelligent solutions, which provide maximum comfort with minimum energy consumption.

Green strategy

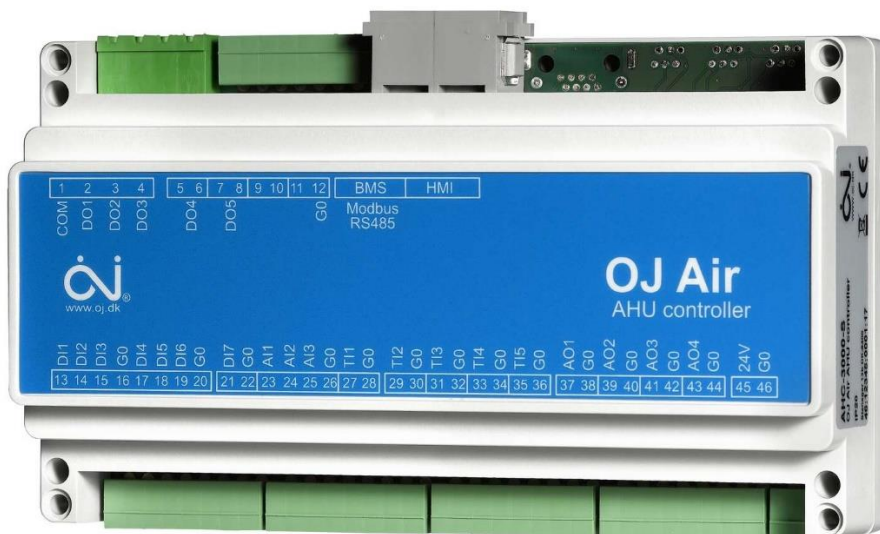
For OJ Electronics, sustainability is a business approach that aims to achieve the best possible outcome not just for ourselves, but for our stakeholders and the environment too.

Impact

In all our business decisions and processes, we at OJ Electronics seek to strike a responsible balance between economic, human, and environmental considerations.

Products concerned

Reference product is AHC-3000-S, Standard Compact AHU Controller



Constituent materials

The products consist of the following fractions:

Fraction	Material	Weight (g) *)	Weight % of total
Components, PCB	Electronics	108,6 g	49%
Housing, front and back	Plastic, PC	108 g	49%
Battery	Lithium Battery **)	3,4 g	2%
screws	Steel	0,8 g	< 1%
	Total	220,8 g	100%

*) Weights may vary slightly

**) UN38.8 report and SDS available on request

We declare that to the best of our knowledge the product meets the requirements of RoHS3, Restriction of Hazardous Substances Directives 2011/65/EU (RoHS2) with amendments, including Directive 2015/863/EU (RoHS3).

We declare that to the best of our knowledge the product meets the requirements of POP, Regulation (EU) 2019/1021 of the European Parliament and of the Council on persistent organic pollutants with amendments.

To our knowledge no nano materials or micro plastic have been intentionally added to the product.

In accordance with REACH, Registration, Authorisation and Restriction of Chemicals, European Union Regulation (EC) 1907/2006 with amendments, we hereby declare that the product includes the following components with a content of Substances of Very High Concern, SVHC, above the limit of 0,1%, referring to the SVHC Candidate List of 14th of June 2023.

Component *)	Component weight (g)	SVHC	CAS-no.	Substance conc. (% w/w)	RoHS Exemption
FKFSREIHM0.032768-T3	0,13226	Lead	7439-92-1	4,36	7.a
UHE1H102MHD6	No data	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	<0,1%	No
SMAJ10A	No data	Lead	7439-92-1	2,88	No data
SMAJ24A	No data	Lead	7439-92-1	2,88	7.a, 7c-1
SMAJ6.5CA-TR	0,07	Lead	7439-92-1	3,05	7.a
PMEG10030ELPX	0,03392	Lead	7439-92-1	14,6	7.a
BZM55C12-TR3	No data	Lead	7439-92-1	<0,1%	7.c-1
15EDGRC-3.81-08P-14-00A(H)	No data	Lead	7439-92-1	2,1	6.c

*) Where alternative components can be used, "worst case" is reported.

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Packaging and accessories

Product is packed in white unit box.

Packaging	Material	Weight, per unit (g)
Unit box	Cardboard	41

Other packaging depends on size of order and will typically be larger cardboard box and paper or plastic filling.

Manufacturing

The products are manufactured in Denmark at OJ Electronics A/S. OJ Electronics has an environmental certification according to ISO 14001:2015.

CO₂-equivalents for manufacturing: 0,054 kg CO₂-eq/product *)

*) Scope 1 and 2, 2022, average of all products produced at OJ.

Installation

For the installation of the products, only standard tools are needed.

Use

No consumables are necessary to use these products.

End of life

Development team at OJ Electronics A/S aims to integrate product end-of-life factors in the design phase.

Hazardous Waste

The thermostat contains a lithium battery, which must be disposed of in accordance with local regulations.

The electronics include components with a content of SVHC above the limit of 0,1% as stated under "Constituent materials". When product is used as intended, the substances pose no risk. Caution is advised when disassembling product and disposing of electronic components as waste.

OJ has registered the product in the SCIP database in accordance with EU Waste Framework Directive (EU) 2018/85:


SCIP Number: 42d606fb-ab63-49c4-b715-67817cb8bb4e

Recycling

Recyclability rate is estimated to 95%.

When disposed of, product can be separated in the fractions listed under "Constituent material".

Packaging is 100% reusable or recyclable.

Best regards
OJ ELECTRONICS A/S

Karin Schmidt, QHSE Coordinator