

OJ ELECTRONICS A/S
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CVR 10643597



05 December 2023

OJ Declaration on Environment and Materials OJ-AIR2-HMI-35T, AHC-3000-HMI-35T - control panel for 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 OJ-AIR2-HMI-35T, control panel for AHU controller:



Data are also representative of OJ item numbers:

XX-AIR2-HMI-35T
AHC-3000-HMI-35T

XX representing letters OJ or customer two-letter abbreviation.

Constituent materials

The products consist of the following fractions:

Fraction	Material	Weight (g) *)	Weight % of total
Back cover, housing, front part	Plastic, PC	36	18%
Cover, plug, frame, front plate	Plastic, ABS	80	40%
Screws	Steel	1	1%
Electronics	PCB, components, cable	78	39%
Lithium Battery	Battery	4	2%
	Total	199	100%

*) Weights are approximated, may vary slightly

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

We declare that to the best of our knowledge the products meet 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 products include 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 concentration (% w/w)	RoHS Exemption
FKFSREIHM0.03276 8-T3	0,13226	Lead	7439-92-1	4,4%	7.a
SM4007PL-TP	0,017953	Lead	7439-92-1	3,2%	7.a
SMBJ6.5CA-E3/5B	0,093	Lead	7439-92-1	7,1%	7.a, 7.c-1

*) If alternatives might be used, then "worst case" is reported.

Packaging and accessories

Products in unit boxes are packed in brown cardboard boxes for transportation. Box size for transportation depends on size of order. When packing small orders, it may be necessary to add filler (typically paper or plastic bubble wrap) for stability. Filler is mainly reuse and can be reused.

Packaging	Material	Weight, per unit (g)
Unit box + insert	Cardboard	50
Instruction manual	Paper	46

For larger orders, brown cardboard boxes may be stacked on pallets and wrapped or strapped:

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Pallet: Euro pallet, heat treated according to ISPM 15
Wrapping foil: Plastic, LLPDE
Strapping: Plastic, PP

Manufacturing

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

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

*) Scope1 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 electronics include components with a content of SVHC above the limit of 0,1% as stated under "Constituent materials".

When products are used as intended, the substances pose no risk. Caution is advised when disassembling product and disposing of electronic components as waste.

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

OJ has registered the products as a group in the SCIP database in accordance with EU Waste Framework Directive (EU) 2018/85:

SCIP Number: d5ebcc96-9d44-4f1b-9903-a6385656d6ff

Recycling

Recyclability rate is estimated to 95%.

Products can be separated into following waste fractions:

Fraction	% mass of products
Plastic, (PC, ABS)	58%
Electronics	39%
Lithium battery	2%
Metal (steel)	1%

Packaging is 100% reusable or recyclable.

Best regards

OJ ELECTRONICS A/S

Karin Schmidt, QHSE Coordinator