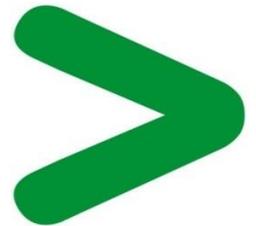


# Product Environmental Profile

## WISER SMOKE ALARM





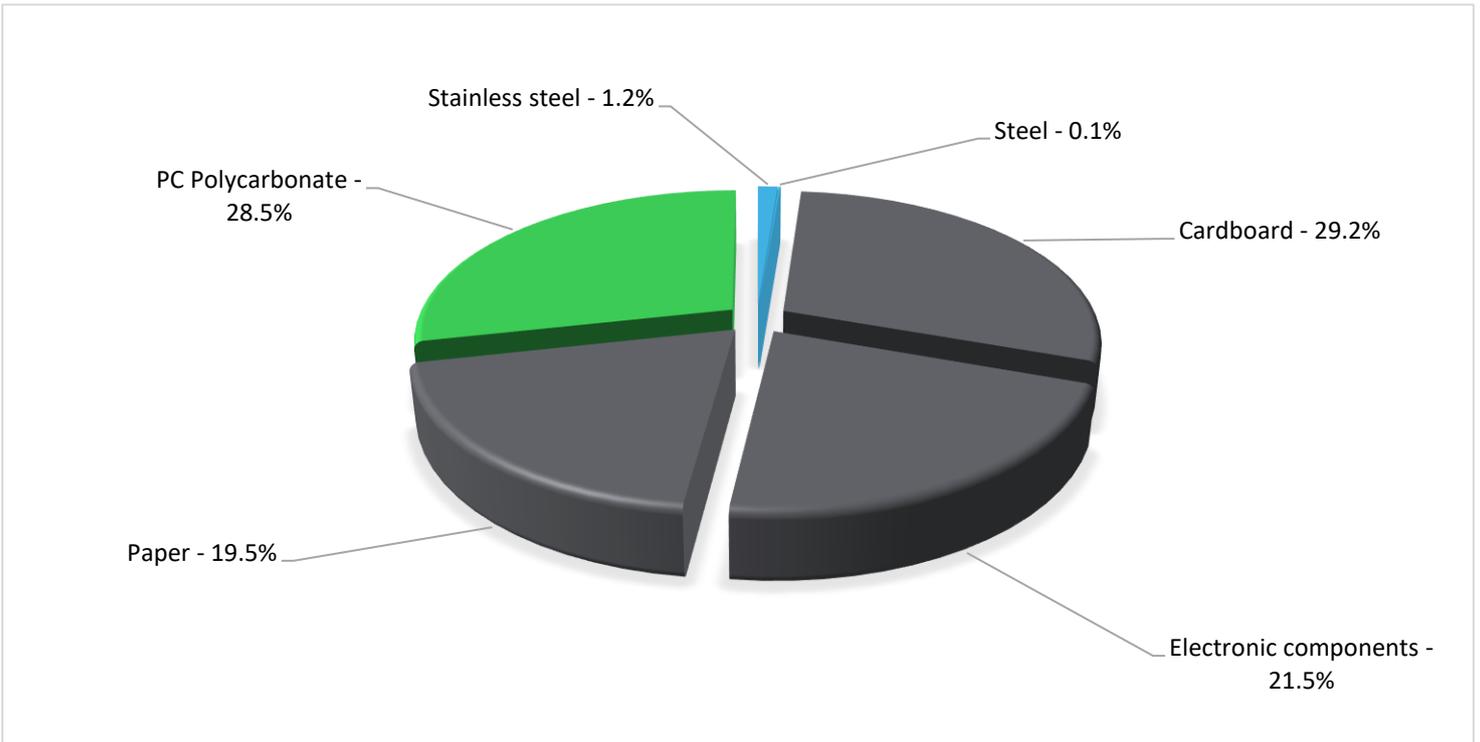
## General information

<b>Representative product</b>	WISER SMOKE ALARM - CCT599001
<b>Description of the product</b>	High-end connected smoke alarm for global markets which can be integrated into the WISER system and also support temperature alarming and have the interconnection between devices even without gateway.
<b>Functional unit</b>	To provide high level alarming to notify people when device detect smoke in the located area, to support temperature detection and provide alarming if temperature is higher than its threshold during 10 years and 99.999% use rate, in accordance with EN 14604. -Standby:20µA -Active: 100mA



## Constituent materials

<b>Reference product mass</b>	327.3 g including the product, its packaging and additional elements and accessories
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Plastics	28.5%
Metals	1.3%
Others	70.2%



## Substance assessment

Products of this range are designed in conformity with the requirements of the RoHS directive (European Directive 2011/65/EU of 8 June 2011) and do not contain, or only contain in the authorised proportions, lead, mercury, cadmium, hexavalent chromium or flame retardants (polybrominated biphenyls - PBB, polybrominated diphenyl ethers - PBDE) or phthalates (Bis(2-ethylhexyl) phthalate DEHP, Butyl benzyl phthalate -BBP, Dibutyl phthalate – DBP, Diisobutyl phthalate - DIBP) as mentioned in the Directive.

Details of ROHS and REACH substances information are available on the Schneider-Electric Green Premium website

<http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page>



## Additional environmental information

The WISER SMOKE ALARM presents the following relevant environmental aspects

<b>Manufacturing</b>	Manufactured at a Schneider Electric production site ISO14001 certified
<b>Distribution</b>	Weight and volume of the packaging optimized, based on the European Union's packaging directive Packaging weight is 167.3 g, consisting of Cardboard (59.4%), Paper (40.6%)
<b>Installation</b>	Ref CCT599001 does not require any special installation.
<b>Use</b>	The product does not require special maintenance operations.
<b>End of life</b>	<p>End of life optimized to decrease the amount of waste and allow recovery of the product components and materials</p> <p>This product contains Electronic card (51.81g), Battery (22.82g) that should be separated from the stream of waste so as to optimize end-of-life treatment.</p> <p>The location of these components and other recommendations are given in the End of Life Instruction document which is available on the Schneider-Electric Green Premium website</p> <p><a href="http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page">http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page</a></p> <p>Recyclability potential: <b>12%</b> Based on "ECO'DEEE recyclability and recoverability calculation method" (version V1, 20 Sep. 2008 presented to the French Agency for Environment and Energy Management: ADEME).</p>



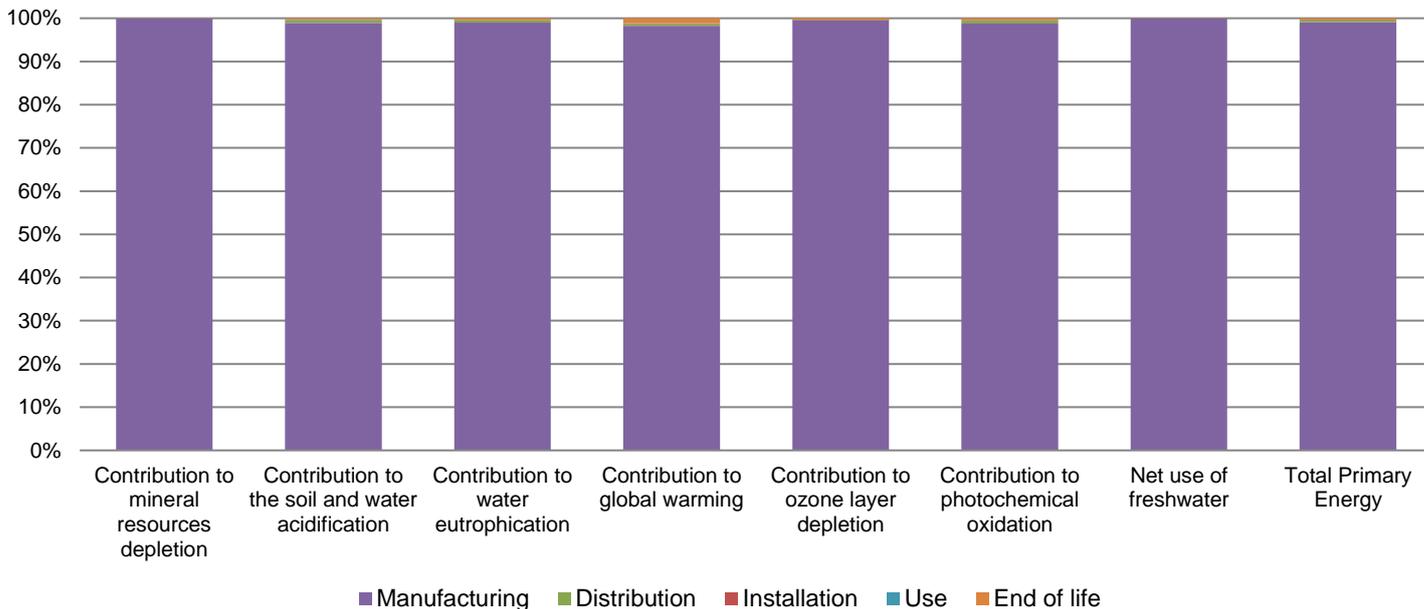
## Environmental impacts

<b>Reference life time</b>	10 years
<b>Product category</b>	Other equipments - Active product
<b>Installation elements</b>	No special components needed
<b>Use scenario</b>	The product is in standby mode 99.999% of the time with a power use of 0.00006w and in active mode 0.001% of the time with a power use of 0.3W, for 10 years.
<b>Geographical representativeness</b>	European and Australia
<b>Technological representativeness</b>	The Modules of Technologies such as material production, manufacturing process and transport technology used in this PEP analysis (LCA-EIME in this case) are Similar and representative of the actual type of technologies used to make the product in production.
<b>Energy model used</b>	<b>Manufacturing</b>
	Energy model used: China
	<b>Installation</b>
	Electricity Mix; AC; consumption mix, at consumer; < 1kV; EU-27. Electricity mix; AC; consumption mix, at consumer; 240V; AU.
	<b>Use</b>
	Electricity Mix; AC; consumption mix, at consumer; < 1kV; EU-27. Electricity mix; AC; consumption mix, at consumer; 240V; AU.
	<b>End of life</b>
	Electricity Mix; AC; consumption mix, at consumer; < 1kV; EU-27. Electricity mix; AC; consumption mix, at consumer; 240V; AU.

### Compulsory indicators

### WISER SMOKE ALARM - CCT599001

Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to mineral resources depletion	kg Sb eq	1.05E-03	1.05E-03	0*	0*	0*	0*
Contribution to the soil and water acidification	kg SO <sub>2</sub> eq	3.16E-02	3.13E-02	1.93E-04	3.77E-05	1.55E-05	9.08E-05
Contribution to water eutrophication	kg PO <sub>4</sub> <sup>3-</sup> eq	9.25E-03	9.16E-03	4.44E-05	9.17E-06	1.29E-06	3.84E-05
Contribution to global warming	kg CO <sub>2</sub> eq	9.43E+00	9.26E+00	4.22E-02	9.06E-03	4.70E-03	1.10E-01
Contribution to ozone layer depletion	kg CFC11 eq	1.24E-06	1.23E-06	0*	0*	4.33E-10	4.86E-09
Contribution to photochemical oxidation	kg C <sub>2</sub> H <sub>4</sub> eq	2.18E-03	2.15E-03	1.38E-05	2.82E-06	1.01E-06	8.55E-06
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Net use of freshwater	m <sup>3</sup>	4.35E-01	4.35E-01	0*	0*	0*	7.33E-05
Total Primary Energy	MJ	1.35E+02	1.33E+02	5.97E-01	1.18E-01	7.81E-02	4.38E-01



Optional indicators		WISER SMOKE ALARM - CCT599001					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to fossil resources depletion	MJ	1.02E+02	1.01E+02	5.93E-01	1.17E-01	5.93E-02	3.39E-01
Contribution to air pollution	m³	7.52E+02	7.46E+02	1.80E+00	3.61E-01	3.65E-01	3.63E+00
Contribution to water pollution	m³	9.83E+02	9.69E+02	6.94E+00	1.37E+00	2.09E-01	5.17E+00
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Use of secondary material	kg	6.40E-03	6.40E-03	0*	0*	0*	0*
Total use of renewable primary energy resources	MJ	6.41E+00	6.41E+00	7.96E-04	0*	3.54E-03	0*
Total use of non-renewable primary energy resources	MJ	1.28E+02	1.27E+02	5.96E-01	1.18E-01	7.46E-02	4.38E-01
Use of renewable primary energy excluding renewable primary energy used as raw material	MJ	3.28E+00	3.28E+00	7.96E-04	0*	3.54E-03	3.99E-04
Use of renewable primary energy resources used as raw material	MJ	3.13E+00	3.13E+00	0*	0*	0*	0*
Use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	1.24E+02	1.23E+02	5.96E-01	1.18E-01	7.46E-02	4.38E-01
Use of non renewable primary energy resources used as raw material	MJ	3.85E+00	3.85E+00	0*	0*	0*	0*
Use of non renewable secondary fuels	MJ	0.00E+00	0*	0*	0*	0*	0*
Use of renewable secondary fuels	MJ	0.00E+00	0*	0*	0*	0*	0*
Waste categories	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Hazardous waste disposed	kg	8.56E+00	8.15E+00	0*	0*	0*	4.07E-01
Non hazardous waste disposed	kg	9.60E+00	9.59E+00	1.50E-03	1.23E-03	6.60E-03	4.61E-03
Radioactive waste disposed	kg	4.74E-03	4.73E-03	1.07E-06	0*	4.99E-06	2.85E-06
Other environmental information	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Materials for recycling	kg	2.16E-01	2.84E-02	0*	1.66E-01	0*	2.12E-02
Components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*
Materials for energy recovery	kg	2.71E-02	0*	0*	0*	0*	2.71E-02
Exported Energy	MJ	5.29E-04	4.97E-05	0*	4.79E-04	0*	0*

\* represents less than 0.01% of the total life cycle of the reference flow

Life cycle assessment performed with EIME version EIME v5.9.1, database version 2016-11 in compliance with ISO14044.

The manufacturing phase is the life cycle phase which has the greatest impact on the majority of environmental indicators (based on compulsory indicators).

Please note that the values given above are only valid within the context specified and cannot be used directly to draw up the environmental assessment of an installation.

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Date of issue	09/2021	Supplemented by	PSR-0005-ed2-EN-2016 03 29
Validity period	5 years	Information and reference documents	<a href="http://www.pep-ecopassport.org">www.pep-ecopassport.org</a>
<i>Independent verification of the declaration and data</i>			
Internal	X	External	
<i>The elements of the present PEP cannot be compared with elements from another program.</i>			
<i>Document in compliance with ISO 14021:2016 « Environmental labels and declarations - Self-declared environmental claims (Type II environmental labelling) »</i>			

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