

# Product Environmental Profile

## Wiser Home Touch with docking station kit SE





## General information

### Representative product

Wiser Home Touch with docking station kit SE - CCT501510

### Description of the product

Wiser Home Touch is an edge control platform powered by the docking station. Its main function is to control the room temperature with its integrate sensor and to send the heating order by wireless communication.

It also allows to :

- remotely access other devices
- manage devices locally
- make the bridge between other devices and the cloud (data collection and transmission)

The Wiser Home Touch is the brain of the Wiser system. It records the programs and communicates wirelessly with all the elements of the system.

It is designed to optimize the consumption of electrical energy (mainly heating consumption).

The Wiser Home Touch allows you to control your electrical installation with a computer, smartphone or tablet.

It connects to the internet box via a WiFi Ethernet device.

### Functional unit

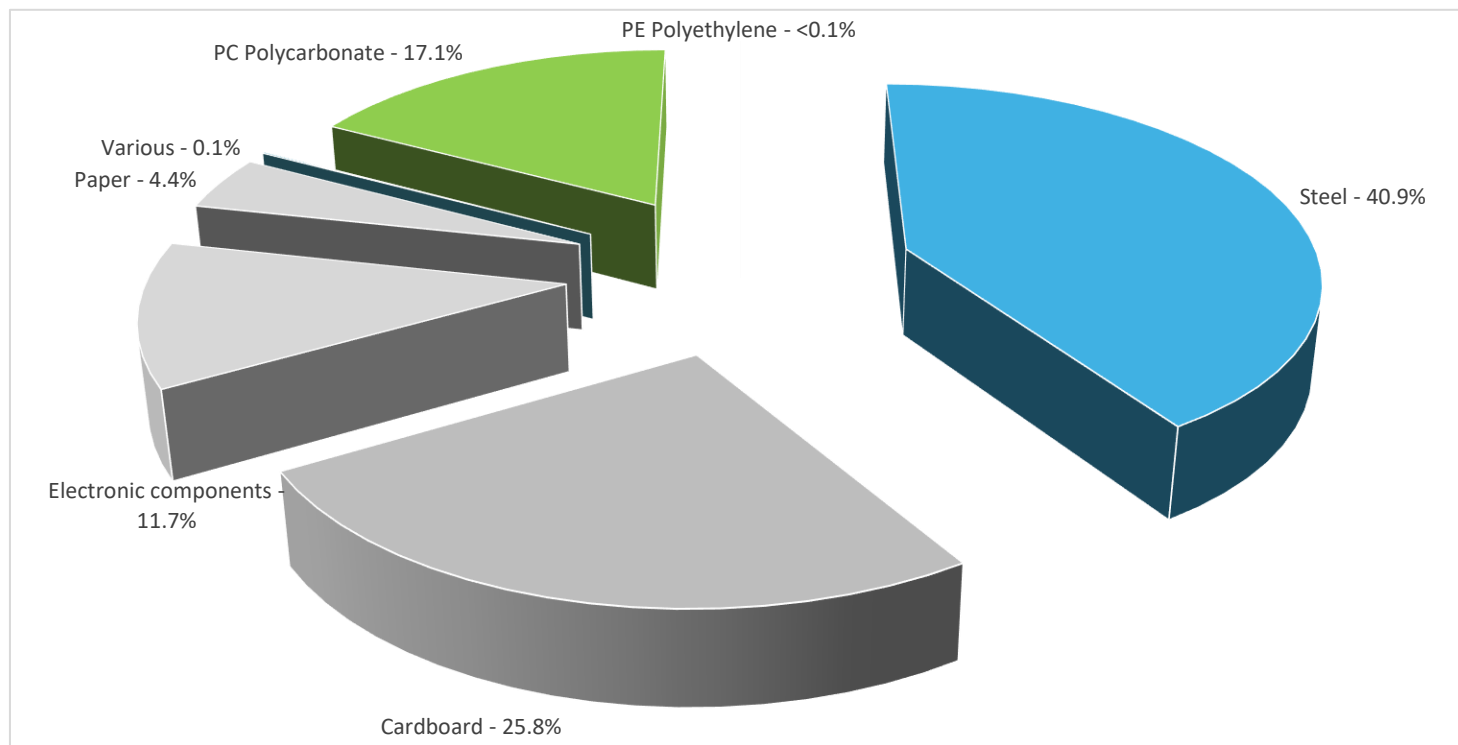
Control during 10 years the ambient temperature in a zone according to a temperature set by the user in a range of ambient temperature between 0° à 35°C, with a temperature step of 0.5° and characterized by a wireless communication to the remote heating or cooling.



## Constituent materials

### Reference product mass

1084.9 g including the product, its packaging and additional elements and accessories



## 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) as mentioned in the Directive

As the products of the range are designed in accordance with the RoHS Directive (European Directive 2002/95/EC of 27 January 2003), they can be incorporated without any restriction in an assembly or an installation subject to this 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 Home Touch with docking station kit SE 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 330.4 g, consisting of Cardboard (85%), Paper (15%)  Product distribution optimised by setting up local distribution centres
<b>Installation</b>	Ref CCT501510 does not require any installation operations.
<b>Use</b>	The product does not require special maintenance operations.
<b>End of life</b>	End of life optimized to decrease the amount of waste and allow recovery of the product components and materials  This product contains electronic card (57.5g), Screen display LCD (70g) that should be separated from the stream of waste so as to optimize end-of-life treatment.  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 <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>  Recyclability potential: <b>57%</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).

## Environmental impacts

<b>Reference life time</b>	10 years
<b>Product category</b>	Other equipments - Active product
<b>Installation elements</b>	Ref CCT501510 does not require any special components for installation operations. Transport and disposal of packaging is accounted for during the installation phase.
<b>Use scenario</b>	Active mode is when the consumer touch the panel and select the needed function. The display is ON and the consumption is 1.5W for 10% of the run time. Standby mode : The screen is on standby mode until the user passes close to it : it detects his presence and wakes up before he touches it. It then goes back to sleep after one minute of inactivity. Therefore, it is assumed that the hub is in this mode 90% of the time and consume 0.75w.
<b>Geographical representativeness</b>	Europe, Germany and France

**Technological representativeness**

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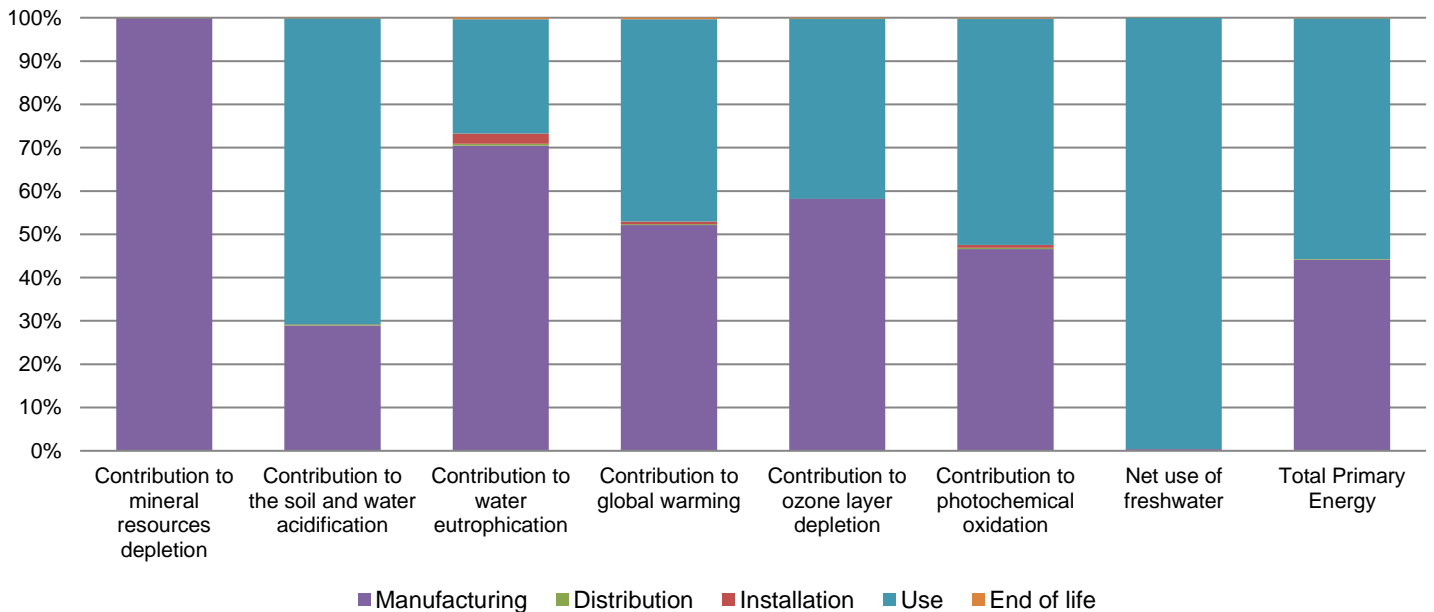
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Energy model used	Manufacturing	Installation	Use	End of life
	Energy model used: Mexico	Electricity grid mix; AC; consumption mix, at consumer; < 1kV; EU-27	Electricity grid mix; AC; consumption mix, at consumer; < 1kV; EU-27	Electricity grid mix; AC; consumption mix, at consumer; < 1kV; EU-27

Compulsory indicators		Wiser Home Touch with docking station kit SE - CCT501510					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to mineral resources depletion	kg Sb eq	1.97E-03	1.96E-03	0*	0*	3.08E-06	0*
Contribution to the soil and water acidification	kg SO <sub>2</sub> eq	2.09E-01	6.05E-02	6.39E-04	3.76E-05	1.48E-01	2.83E-04
Contribution to water eutrophication	kg PO <sub>4</sub> <sup>3-</sup> eq	3.37E-02	2.38E-02	1.47E-04	7.90E-04	8.92E-03	1.06E-04
Contribution to global warming	kg CO <sub>2</sub> eq	7.58E+01	3.95E+01	1.40E-01	4.32E-01	3.54E+01	2.79E-01
Contribution to ozone layer depletion	kg CFC11 eq	5.55E-06	3.23E-06	0*	1.11E-09	2.31E-06	1.07E-08
Contribution to photochemical oxidation	kg C <sub>2</sub> H <sub>4</sub> eq	1.55E-02	7.23E-03	4.56E-05	1.03E-04	8.12E-03	2.68E-05
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Net use of freshwater	m3	1.29E+02	5.31E-01	0*	0*	1.28E+02	0*
Total Primary Energy	MJ	1.27E+03	5.62E+02	1.98E+00	0*	7.07E+02	1.30E+00



Optional indicators		Wiser Home Touch with docking station kit SE - CCT501510					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to fossil resources depletion	MJ	9.85E+02	5.80E+02	1.97E+00	1.19E-01	4.02E+02	1.20E+00
Contribution to air pollution	m <sup>3</sup>	5.60E+03	4.06E+03	5.95E+00	2.46E+00	1.52E+03	9.37E+00
Contribution to water pollution	m <sup>3</sup>	4.63E+03	3.11E+03	2.30E+01	2.13E+01	1.46E+03	1.51E+01
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Use of secondary material	kg	4.40E-01	4.40E-01	0*	0*	0*	0*
Total use of renewable primary energy resources	MJ	1.01E+02	1.11E+01	0*	0*	8.99E+01	0*
Total use of non-renewable primary energy resources	MJ	1.17E+03	5.51E+02	1.98E+00	0*	6.17E+02	1.30E+00
Use of renewable primary energy excluding renewable primary energy used as raw material	MJ	1.00E+02	1.02E+01	0*	0*	8.99E+01	0*
Use of renewable primary energy resources used as raw material	MJ	8.73E-01	8.73E-01	0*	0*	0*	0*
Use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	1.16E+03	5.41E+02	1.98E+00	0*	6.17E+02	1.30E+00
Use of non renewable primary energy resources used as raw material	MJ	1.01E+01	1.01E+01	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	4.56E+01	4.44E+01	0*	0*	1.85E-02	1.22E+00
Non hazardous waste disposed	kg	1.43E+02	1.04E+01	0*	3.36E-01	1.32E+02	0*
Radioactive waste disposed	kg	9.34E-02	5.25E-03	0*	0*	8.82E-02	0*
Other environmental information	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Materials for recycling	kg	5.48E-01	1.09E-01	0*	0*	0*	4.39E-01
Components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*
Materials for energy recovery	kg	6.56E-02	1.37E-03	0*	0*	0*	6.42E-02
Exported Energy	MJ	2.75E-02	0*	0*	2.75E-02	0*	0*

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

Life cycle assessment performed with EIME version EIME v5.7.0.2, database version 2016-11.

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.

Registration number :	SCHN-00339-V01.01-EN	Drafting rules	PCR-ed3-EN-2015 04 02
Verifier accreditation N°	VH33	Supplemented by	PSR-0005-ed2-EN-2016 03 29
Date of issue	04/2018	Information and reference documents	<a href="http://www.pep-ecopassport.org">www.pep-ecopassport.org</a>
		Validity period	5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2010			
Internal	External	X	
The PCR review was conducted by a panel of experts chaired by Philippe Osset (SOLINNEN)			
PEP are compliant with XP C08-100-1 :2014			
The elements of the present PEP cannot be compared with elements from another program.			
Document in compliance with ISO 14025 : 2010 « Environmental labels and declarations. Type III environmental declarations »			



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