

Product Environmental Profile

Wireless remote control Situo Variation io



Reference product



> Reference product

Situo 5 Variation A/M io Pure

Ref **1811337**

> Functional unit

To control motorized applications equipped with io Somfy motor during a lifetime of 10 years.

> References covered

- Situo 1 Variation io Pure, ref 1811274 and 1800471
- Situo 1 Variation io Titane, ref 1811275 and 1800472
- Situo 5 Variation A/M io Pure, ref 1811276 and 1811337
- Situo 5 Variation A/M io Titane, ref 1811277 and 1811338



Materials and substances

All useful measures have been adopted to ensure that the materials used in the composition of the product do not contain any substances banned by the legislation in force at the time of PEP release.

Plastics			Metals			Other		
	g	%		g	%		g	%
ABS	36,0	25,9	Steel	3,1	2,2	Glass fiber	4,8	3,4
Other	2,6	1,9	Copper	1,9	1,4	Thionyl chloride	3,5	2,5
			Other	2,3	1,6	Epoxy resin	3,2	2,3
						Other	1,9	1,3
						Packaging		
						Cardboard	48,0	34,5
						Paper	26,0	18,7
						PET	6,0	4,3
Total mass of reference product: 139 g								
Estimated recyclable content: 57,3 %								

> CHEMICAL SUBSTANCES

The products covered by this PEP comply with REACH regulation and RoHS directive.



— Manufacturing

- > The devices covered in this PEP are manufactured in a production that have adopted environmental management approach.
- > Energy mode: Tunisia.



— Distribution

The packaging is 100% recyclable. Paper is 100% recycled fibers and cardboard is minimum 50% recycled fibers. The plastic block is partly recycled PET and totally recyclable. Packaging is continuously improved by reducing the amount and using a maximum of recycled material.



— Installation

The product does not require installation. Only the enf of life packaging is included in this phase.



— Use

This active product of Catégorie 2 is autonome. With 16 actions per day, this product needs 20mA during active mode which is 0.02% of the time and 0,024mA during standby mode which is 99,98% of the time.

- > Energy Model of the usage phase: None
- > Consumable: 1 battery CR2430



— End of life

> Typical transport conditions

Considering the complexity and the lack of knowledge of the electric and electronic recycling channel and processes all around the world, we considered a 1000 km transport of the product at the end of life and a landfill treatment.

- > **The recycling potential of the product, out of packaging is: 60.3%.** This calculation is done with EIME version 5.5.0.11.

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Environmental impacts

Evaluation of the environmental impact covers the following life cycle stages: manufacturing, distribution, installation, usage and end of life.
All calculations are done with EIME software version 5.5.0.11;

Indicators	Global	Unit	Manufacturing	Distribution	Installation	Usage	End of Life
Acidification potential of soil and water	3,70E-03	kg SO ₂ eq	2,42E-03	1,14E-03	4,72E-05	6,48E-05	2,97E-05
Abiotic depletion (elements, ultimate reserves)	3,16E-04	kg antimony eq	3,16E-04	1,45E-09	6,18E-10	2,81E-08	6,77E-10
Abiotic depletion (fossil fuels)	1,94E+01	MJ	1,83E+01	5,11E-01	1,37E-01	2,75E-01	1,55E-01
Air pollution	1,95E+02	m ³	1,83E+02	5,51E+00	1,98E+00	2,97E+00	1,33E+00
Eutrophication	6,95E-04	kg(PO ₄) ³ eq	4,86E-04	1,12E-04	5,75E-05	1,11E-05	2,81E-05
Global Warming	1,41E+00	kg CO ₂ eq	1,27E+00	4,02E-02	6,89E-02	1,79E-02	1,13E-02
Ozone layer depletion	1,54E-07	CFC-11 eq	1,41E-07	6,89E-11	2,45E-10	1,16E-08	6,97E-10
Photochemical oxidation	3,66E-04	kg C ₂ H ₄ eq	2,87E-04	5,65E-05	1,57E-05	3,50E-06	3,29E-06
Water pollution	1,11E+02	m ³	9,91E+01	5,98E+00	1,02E+00	1,52E+00	3,69E+00
Total Primary Energy	2,64E+01	MJ	2,46E+01	5,14E-01	1,48E-01	9,26E-01	2,08E-01
Net use of freshwater	8,08E-03	m ³	7,49E-03	3,11E-06	2,26E-05	5,37E-04	2,63E-05

> Extrapolation rule

There is no extrapolation rule for additional products covered by this PEP. The reference product is the product with the largest impacts, all products combined.

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Independent verification of the declaration and data, in compliance with ISO 14025 : 2010 Internal <input type="checkbox"/> External <input checked="" type="checkbox"/> Bureau Veritas CODDE	
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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