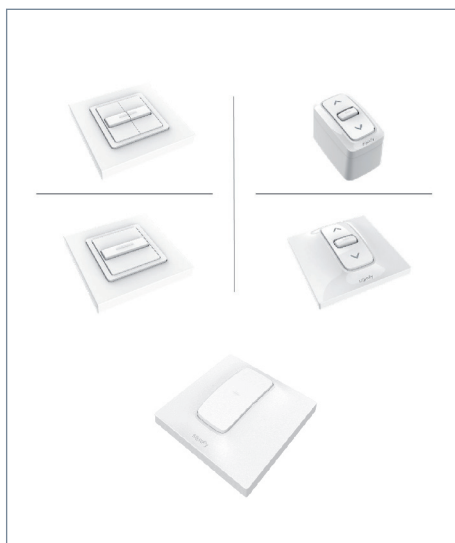


Product Environmental Profile

Wired remote control Smoove Uno/ Duo WT Range & Inis Range



Reference product



> Reference product

Smoove Duo WT 5P

Ref **1800505A**

> Functional unit

To control motorized application equipped with WT wired motor during a lifetime of 20 years.

> References covered

Inis Mounted Box FP	1800511A	Inis Mounted Box FP x10	1800515A	Smoove Uno IN WT FP	1800533A
Inis Mounted Box MP	1800512A	Inis Mounted Box MP x10	1800516A	Smoove Uno IN WT MP	1800534A
Inis 80x80 FP	1800513A	Inis 80x80 FP x10	1800517A	Smoove Uno IN WT 5P	1800535A
Inis 80x80 MP	1800514A	Inis 80x80 MP x10	1800518A	Smoove Duo IN WT FP	1800536A
INIS 80x80 WT FP	1870534A	Smoove Uno WT FP x10	1800519A	Smoove Duo IN WT MP	1800537A
2Buttons		Smoove Uno WT MP x10	1800520A	Smoove Duo IN WT 5P	1800538A
Smoove Uno WT FP	1800508A	Smoove Uno WT 5P x10	1800521A		
Smoove Uno WT MP	1800509A				
Smoove Uno WT 5P	1800510A				
Smoove Duo WT FP	1800506A				
Smoove Duo WT MP	1800507A				
Smoove Duo WT 5P	1800505A				

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 marketing.

Plastics			Metals		
	g	%		g	%
ABS	26,0	21,14	Steel	28,3	23,01
PA6	22,0	17,89	Copper	5,6	4,55
Glass fiber	9,2	7,49	Zinc	2,4	1,95
PC	2,0	1,63	Packaging		
POM	0,5	0,41	Paper	22,1	17,97
PA66	0,5	0,4	Cardboard	4,4	3,58
Total mass of reference product: 123,0 g					
Estimated recyclable content: 19,8 %					

> 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 has adopted an environmental management approach.

> Energy model

Tunisian mix



— Distribution

The packaging is 100% recyclable. Paper is 100% recycled fibers and cardboard is minimum 50% recycled fibers. Packaging is continuously improved by reducing the amount and using a maximum of recycled material. Two sorts of packaging exist for this products : unit or by 10. For the modelisation, unit pack is the reference.



— Installation

> Installation elements

This control must be screwed on the wall and linked to the motor system. This is not taking into account in the modelisation.
The end of life of the packaging is considered at the installation.

> Installation processes

There is no installation process.

> Energy model

No



— Use

- > There is no energy consumption for these products which are wired controls.
- > Consumables and maintenance: None



— 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.

> Energy model

European Mix

Product Environmental Profile

Wired remote control Smoove Uno/ Duo WT Range & Inis Range



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 EIME© v5.7.0.3

Indicators	Global	Unit	Manufacturing	Distribution	Installation	Usage	End of Life
Acidification potential of soil and water	3.95E-3	kg SO ₂ eq	2.87E-3	1.04E-3	8.85E-6	0.00E+0	3.71E-5
Abiotic depletion (elements, ultimate reserves)	2.47E-5	kg antimony eq	2.47E-5	1.33E-9	8.78E-11	0.00E+0	5.58E-10
Abiotic depletion (fossil fuels)	8.96E+0	MJ	8.34E+0	4.66E-1	2.79E-2	0.00E+0	1.33E-1
Air pollution	1.08E+2	m ³	1.02E+2	5.03E+0	2.67E-1	0.00E+0	9.78E-1
Eutrophication	7.15E-4	kg(PO ₄) ³⁻ eq	5.01E-4	1.02E-4	6.38E-5	0.00E+0	4.75E-5
Global Warming	8.29E-1	kg CO ₂ eq	7.47E-1	3.67E-2	3.56E-2	0.00E+0	9.47E-3
Ozone layer depletion	7.28E-8	CFC-11 eq	7.24E-8	6.29E-11	9.36E-11	0.00E+0	1.97E-10
Photochemical oxidation	2.89E-4	kg C ₂ H ₄ eq	2.26E-4	5.16E-5	8.57E-6	0.00E+0	2.86E-6
Water pollution	2.32E+2	m ³	2.24E+2	5.46E+0	1.87E+0	0.00E+0	1.14E+0
Total Primary Energy	1.02E+1	MJ	9.61E+0	4.69E-1	2.66E-2	0.00E+0	1.07E-1
Total use of renewable primary energy resources	6.98E-1	MJ	6.96E-1	5.99E-4	1.89E-4	0.00E+0	2.11E-3
Total use of non-renewable primary energy resources	9.52E+0	MJ	8.92E+0	4.68E-1	2.64E-2	0.00E+0	1.05E-1
Use of renewable primary energy excluding renewable primary energy used as raw material	6.32E-1	MJ	6.29E-1	5.99E-4	1.89E-4	0.00E+0	2.11E-3
Use of renewable primary energy resources used as raw material	6.63E-2	MJ	6.63E-2	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Use of non renewable primary energy excluding non renewable primary energy used as raw material	7.53E+0	MJ	6.93E+0	4.68E-1	2.64E-2	0.00E+0	1.05E-1
Use of non renewable primary energy resources used as raw material	1.98E+0	MJ	1.98E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Use of non renewable secondary fuels	0.00E+0	MJ	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Use of renewable secondary fuels	0.00E+0	MJ	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Use of secondary material	2.66E-2	kg	2.66E-2	0.00E+0	0.00E+0	0.00E+0	0.00E+0
Net use of fresh water	4.63E-1	m ³	4.63E-1	2.83E-6	2.20E-6	0.00E+0	6.88E-6
Hazardous waste disposed	1.80E+0	kg	1.80E+0	0.00E+0	2.58E-5	0.00E+0	3.36E-5
Non hazardous waste disposed	1.20E+0	kg	1.06E+0	1.13E-3	2.78E-2	0.00E+0	1.03E-1
Radioactive waste disposed	5.83E-4	kg	5.80E-4	7.85E-7	2.58E-7	0.00E+0	2.46E-6
Components for reuse	0.00E+0	kg	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+3
Materials for recycling	1.57E-8	kg	1.57E-8	0.00E+0	0.00E+0	0.00E+0	0.00E+2
Materials for energy recovery	0.00E+0	kg	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+1
Exported energy	4.21E-3	MJ	1.69E-3	0.00E+0	2.52E-3	0.00E+0	0.00E+0

Product Environmental Profile

Wired remote control Smoove Uno/ Duo WT Range & Inis Range



These environmental impacts are only applicable to the reference product mentioned on page 1. To cover all the «covered references» mentioned on page 1, a calculation by an extrapolation coefficient is required.

> Extrapolation rule

An extrapolation rule is made for the manufacturing, the distribution and the end of life. All the others phases are strictly the same. The maximum coefficient of the indicators that reveal a negative impact on the environment is used.

	Manufacturing	Distribution	Installation	Use	End of life	Application example: Global sum for Global Warming indicator (kg CO2 eq)
Smoove Duo	1,00	1,00	1,00	1,00	1,00	8,29E-01
Inis Mounted Box	0,88	0,87	1,00	1,00	0,82	6,50E-01
Smoove Uno & Inis 80*80	0,83	0,86	1,00	1,00	0,81	6,58E-01

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Accreditation number: VH18	Programme information: www.pep-ecopassport.org
Date of issue: 02-2020	Validity period: 5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2010 Internal <input type="checkbox"/> External <input checked="" type="checkbox"/> Bureau Veritas LCIE	
The PCR review was conducted by a panel of experts chaired by Philippe Osset (SOLINNEN)	
PEP are compliant with XP C08-100-1: 2016 The elements of the present PEP cannot be compared with elements from another programme.	
Document in compliance with ISO 14025: 2010 "Environmental labels and declarations. Type III environmental declarations	
Somfy contact: Justine ZAWADA, Sustainable Development Engineer, justine.zawada@somfy.com	

