



**Environmental
Product Declaration**

Product	Type of equipment / Product No.	FDT2x FDO2x FDOOT221 FDOOT241-8/-9 FDOOT241-A FDOOT241-A3 FDOOT241-A4 FDOOT241-A5 FDOOT241-A9 FDOOTC241	Heat detector .DA/ASA Smoke detector Neuronal fire detector Neuronal fire detector Neural fire detector, ASA Fire detector Sinteso (A+) Fire detect. Sinteso (SIGMA) Fire detect. Sinteso (AR-Int) Neural fire detector, ASA Neural fire detector	
	Product line	Sinteso FD 20		
	Process control	Siemens Schweiz AG Building Technologies Division Gubelstrasse 22 6301 Zug - CH		
		Management System	since	by
		ISO 14001 (Environment)	06.12.2002	Gerling Cert
		ISO 9001 (Quality)	06.11.1989	SQS / VdS
	Environmentally compatible product design	Product responsibility of Siemens covers the entire product life cycle. Siemens already assesses, avoids and minimizes the environmental impact of its products with respect to production, procurement, sales, use, services and disposal during the product and process planning phases by complying with Siemens EP Standard No. 1 (former SN 36350) "Specifications on Environmentally Compatible Product and System Design".		
	Product use	Typical energy consumption	variant *) see below	
		Maintenance	none	
		Fire load	4MJ	
Packaging	PE-semi plastic bag	Detector packing for 1 detector	3g	
	20-PAP corrugated cardboard, paper	Transport packing with adherence label for 20 detector	410g	
	Notes on disposal	Generic recycling is possible, see material identification		
Materials	Total weight of device	variant *) see below		
	The total weight of a device may deviate from the total of the weights of all individual components due to rounding.			
	Plastics	ABS; white; halogen-free	Detector housing	22g
		ABS; white; halogen-free	Cover	26g
		ABS; black; halogen-free	Support	variant
		ABS; black; halogen-free	Labyrinth	variant
		ABS; black; halogen-free	DT cover plate	variant
		ABS; white; halogen-free	Screen ring	variant
		PC; transparent; halogen-free	Light conductor, reception lens	1g
		PPO; grey; halogenated	CO gas sensor	variant
		Metals	Cu; tin plated	Pin
	Cu; tin coated		Metal shield	1g
	PCBAs (Printed Circuit Board assembled)	FR4; TBBA; solder SnAgCu	PCB	variant

***Variant parts list**

	FDT2x	FDO2x	FDOOT221	FDOOT241-8/-9	FDOOT241-A	FDOOT241-A3	FDOOT241-A4	FDOOT241-A5	FDOOT241-A9	FDOOTC241
Total weight of device [g]	89	105	107	107	107	107	107	107	107	108
Support	24	24	24	24	24	24	24	24	24	24
Labyrinth		19	19	19	19	19	19	19	19	18
DT cover plate	11									
Screen ring		5	5	5	5	5	5	5	5	5
CO gas sensor										2
PCB	4	6	8	9	9	9	9	9	9	9
Typical energy consumption										
P2- operation [Wh/a]	42	48	70	70	70	70	70	70	70	90
Alternative operating [Wh/a]				22		31	49	60	20	

Disposal



The device is classified as waste electronic equipment in terms of the European Directive 2012/19/EU (WEEE) and must not be disposed of as unsorted municipal waste. The relevant national legal rules are to be adhered too. Regarding disposal, use the systems setup for collecting electronic waste. Observe all local and applicable laws.

Comments

EU-directive 2011/65/EU (RoHS)

The device does not contain substances in concentrations and applications banned under the EU RoHS Directive.

Regulation (EC) No. 1907/2006 (REACH)

To the best of our knowledge and according to the information of our suppliers the above mentioned device and its packaging contain no substances of the candidate list according to Article 59 (1, 10) of the regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) in concentrations above 0.1 % w/w.

(Status according to the creation date of this document.)

The device is halogen-free with exception of:
PCB

Environmental benefits

- Serves for the early detection of fires and prevents the discharge of toxic gases.
- Very low energy consumption.
- Easily removable. Disassembling is possible without any important effects regarding waste disposal.

Further notes and comments:

Accessories:		Total weight	Fire load
FDB201/221 Detector base (*)	ABS, white (PA, colored)	18 g	0.7 MJ
FDB202/222 Detector base (*)	ABS, white (PA, colored)	17 g	0.7 MJ
FDBZ293 Detector locking device	Stainless steel	1 g	--- MJ
FDZ291 Detector dust cap	PS red	5 g	--- MJ
FDB291 Base attachment	ABS white	35 g	1.3 MJ
FDB293 Base attachment wet (IP55)	ABS white / PC 20% GF	260 g	8.0 MJ
FDB294 Base wet	ABS white / PC 20% GF	386 g	10.0 MJ
FDB281 Base adapter MS8 / SintesoTM	ABS white	86 g	2.8 MJ
DBZ1194 Protective cage	Stainless steel	170 g	--- MJ
FDBH291 Detector heating	ALU / PA 6	20 g	0.1 MJ
FDBZ291 Designation plate	PC, transparent	2 g	0.1 MJ
DBZ1193 Designation plate	PC, transparent	6 g	0.2 MJ
FDBZ294 Protective cage	Stainless steel	245 g	--- MJ
FDBZ295 Sealing FDB201/221	TPE, natur / PC weiss	36 g	1.3 MJ

(*) Detector base incl. Terminal block cpl. 6-pole

Legal Disclaimer: This declaration is for information purpose only.

This Environmental Product Declaration does not constitute a guarantee of the composition of a product, neither does it guarantee that the product will retain a particular composition for a particular period.

Siemens Schweiz AG therefore does not assume liability for any error or for any consequences which may arise from the use of this information to the maximum extent under the law.

Please contact your local Siemens branch office to get further information on environmental aspects and disposal.