



## *Environmental Product Declaration*

<b>Product</b>	Device type	<b>FDM 224</b>		
	Designation	<b>Manual call point with direct operation consisting of FDMH293-X, FDME224</b>		
	Product range	<b>FD 20</b>		
<b>Process control</b>	Siemens Switzerland Ltd Building Technologies Group Fire Safety & Security Products Gubelstrasse 22, CH-6301 Zug			
	Management system certified	since	by	
	ISO 14001 (environment)	<b>6.12.2002</b>	<b>Gerling Cert</b>	
	ISO 9001 (quality)	<b>6.11.1989</b>	<b>SQS/VdS</b>	
<b>Environmentally compatible product design</b>	The device was developed in accordance to the Siemens standard SN36350 'Environmentally compatible products'. This standard describes guidelines for the design of environmentally compatible products, and their integration into the product planning and development process. The purpose is to achieve optimum environmental compatibility of products, taking account of all phases of the product lifecycle.			
<b>Product use</b>	Typical annual energy consumption	<b>appr. 53 Wh</b>		
	Maintenance	<b>none</b>		
	Environmental benefits	<b>see notes on page 2</b>		
<b>Environmental risk (fire)</b>	Fire protection as per			
	Fire load	<b>appr. 9 MJ</b>		
	Parts containing halogens (result in corrosive smoke)	<b>Printed Circuit Board assembled</b>		
<b>Packaging</b>				
For housing (1 piece)	20-PAP corrugated cardboard	<b>Packing DCA11../DCB11..</b>	<b>45 g</b>	
	22-PAP Paper	<b>adherence label</b>	<b>1 g</b>	
For call point unit (1 piece)	20-PAP corrugated cardboard	<b>folding cardboard box</b>	<b>29 g</b>	
	22-PAP Paper	<b>adherence label</b>	<b>1 g</b>	
	Notes on disposal	<b>Generic recycling is possible, see material identification</b>		

<b>Materials</b>		total weight of device	<b>307 g</b>
Plastics	PC, (red, blue, yellow, green)	Housing cover, housing base sliding retainer	<b>216 g</b>
	PC, transparent	Window	<b>5.7 g</b>
	LD-PE oder PP	Protective plug 2x	<b>1.6 g</b>
	PP printed	Shield, Operation instr. label	<b>3 g</b>
	ABS, white, free of halogen	PCB cover	<b>&lt;1.0 g</b>
	PC 10%GF, white, free of halogen	Front cover	<b>37.7 g</b>
	ABS, black	Button, Stopping lever	<b>2 g</b>
Metals	Spring steel	Pressure spring	<b>&lt;1.0 g</b>
	Steel, zinc coated	Terminal plug assembled screw	<b>4.9 g</b>
Glass	Glass	Spare glass plate	<b>13.2 g</b>
Diverse	Paper, cardboard	Shield "not in use" label	<b>2.0 g</b>
Circuit boards with components	FR4, containing bromine, solder SnAgCu	Printed Circuit Board assembled	<b>19 g</b>
<b>Special Components</b>	Terminal block cpl.	On Printed Circuit Board	<b>(5.4 g)</b>

(Parts with weights in brackets are already included in components declared under materials.)

The total weight of a device may deviate from the total of the weights of all its individual components due to rounding.

### Disposal



The device is a waste electronic equipment in terms of the European Directive 2002/96/EC (WEEE) and should not be disposed as part of unsorted municipal waste. The relevant national legal rules are to be paid attention. Use for disposal the systems set up to collect electric waste.

**Observe all local and applicable laws.**

### Notes:

#### Accessories:

DMZ1197-AC	Protective cover (optional)	PC, transparent	15 g	0.1 MJ	(fire load)
DMZ1197-AD	Seal (optional)	silicon elastomere nature	23 g	0.3 MJ	
	Metal screwed cable gland M20x1.5	brass zinc coated	40 g	---	MJ
	V-tab	PA	5 g	0.1 MJ	
	Install. Instruction FDM	paper	5 g	0.1 MJ	

#### Environmental benefits:

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

#### Legal disclaimer: This declaration is for information purposes 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 Switzerland Ltd. 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.

If you require further information on environmental aspects and disposal, contact your local Siemens branch office.