

Sinteso™ Cerberus™ PRO

Manual call point

FDM223H, FDM224H



'Heavy Duty' manual call point addressed (FDnet/C-NET)

- Manual call points for addressed Sinteso FS20 and Cerberus PRO FS720 fire detection systems
- Very robust housing design made from fiberglass-reinforced thermoplast
- For surface mounting in humid, wet and dusty environments
- Manual call point FDM223H with indirect activation: type 'B' according to EN 54-11
- Manual call point FDM224H with direct activation: type 'A' according to EN 54-11
- Two-wire installation for all cable types
- Communication via FDnet/C-NET (addressed individually)

Features

- Integrated line separator: The defective part on the detector line is located by the fire control panel and isolated between two FDnet/C-NET devices.
- Built-in alarm indicator (LED)
- Protected electronics
- Two-color LED for alarm and test

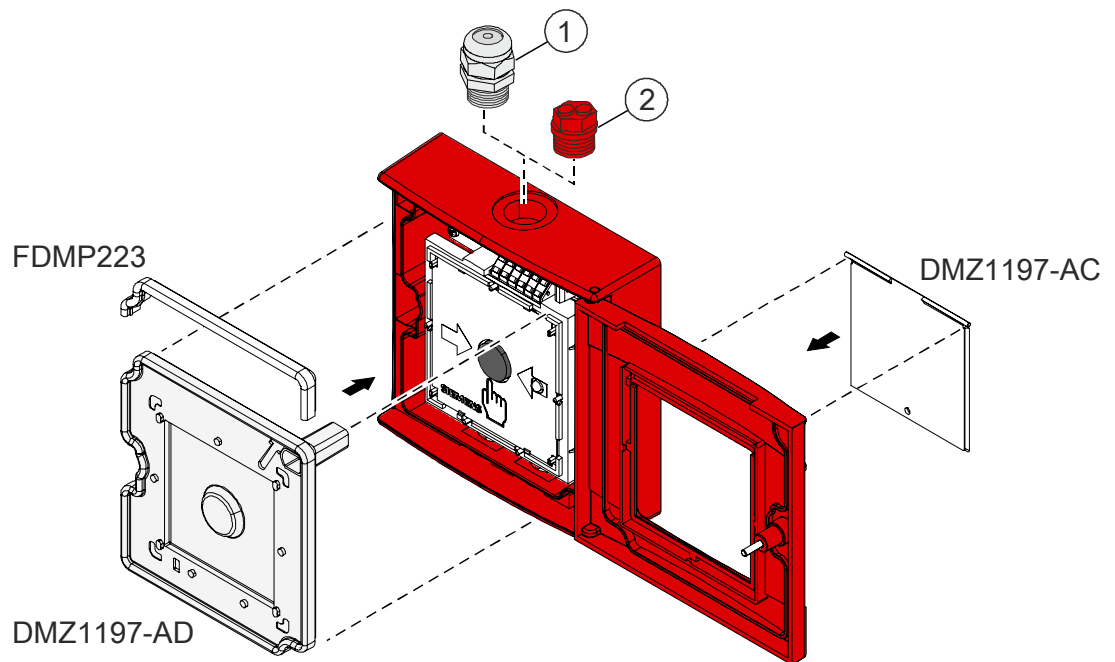
Eco-friendly

- Environmentally friendly processing
- Reusable materials
- Electronic parts and synthetic materials can be easily separated

Functions

Manual call point FDM223H

- Indirect alarm activation by pushing in the glass insert and pressing the alarm button
- Open the door of the detector with the key to replace the glass insert. Reset the alarm button before closing the door.
- Protective cover DMZ1197-AC (accessories) protects the manual call point against the glass being broken accidentally.
- Seal DMZ1197-AC or FDMP223 (accessories) protects the manual call point in wet areas



Legend for manual call point FDM223H:

- 1 Metal cable gland (accessories) 2 Cable gripper

Manual call point FDM224H

- Direct alarm activation by pushing in the glass insert
- Open the door of the detector with the key to replace the glass insert. The alarm button is reset when the door is closed.
- Protective cover DMZ1197-AC (accessories) protects the manual call point against the glass being broken accidentally.
- Seal DMZ1197-AC or FDMP223 (accessories) protects the manual call point in wet areas

Fields of application FDM223H and FDM224H

- For the immediate manual activation of a fire alarm
- For indoor and outdoor application, also suitable for humid, wet, and dusty environments
- For surface-mounted cable entry in easily accessible locations only

Type Overview

Manual call point FDM223H

Type	Designation	Order number	Weight [kg]
FDMH292-R	Red housing with glass, key, 3 cable grippers (2-hole), 2 standard signs with building and fire brigade/fire detector	A5Q00005525	0.302
FDME223	Switching unit for FDM223H	A5Q00003087	0.071

Manual call point FDM224H

Type	Designation	Order number	Weight [kg]
FDMH292-R	Red housing with glass, key, 3 cable grippers (2-hole), 2 standard signs with building and fire brigade/fire detector	A5Q00005525	0.302
FDME224	Switching unit for FDM224H	A5Q00009392	0.061

Accessories for the manual call points FDM223H and FDM224H

Type	Designation	Order number	Weight [kg]
DMZ1197-AC	Protective cover	BPZ:5223550001	0.012
DMZ1197-AD	Sealing for wet areas	BPZ:5470680001	0.022
FDMP223	Sealing for wet areas	S54311-F10-A1	0.003

Spare parts for the manual call points FDM223H and FDM224H

Type	Designation	Order number	Weight [kg]
DMZ1196-AC	Glass insert	BPZ:4942050001	0.011
-	Cable gripper red, M20 x 1.5 (1-hole)	A5Q00006735	0.007
-	Standard signs with building and fire brigade/fire detector	BPZ:5304150001	0.007
FDML223	MCP label (UV-resistant)	S54311-B11-A1	0.001

Product documentation

Document ID	Name
008164	Equipment overview Sinteso™ Detector system FD20
008331	List of compatibility (for 'Sinteso™' product line)
A6V10229261	List of compatibility (for 'Cerberus™ PRO' product line)
007002	Technical manual Manual call points FDM223, FDM224, FDM223H, FDM224H
008615	Installation Housing for manual call point 'Heavy Duty' FDMH292-R

Related documents such as the environmental declarations, CE declarations, etc., can be downloaded from the following Internet address:

<https://siemens.com/bt/download>

Notes

Mounting

Mounting options

- Use the opening at the top or the two openings at the bottom for cable gripper M20 (included) or cable glands M20 (accessories).
- Open cable entries must be closed for IP64 applications.

Disposal



The device is considered an electronic device for disposal in accordance with the European Guidelines and may not be disposed of as domestic garbage.

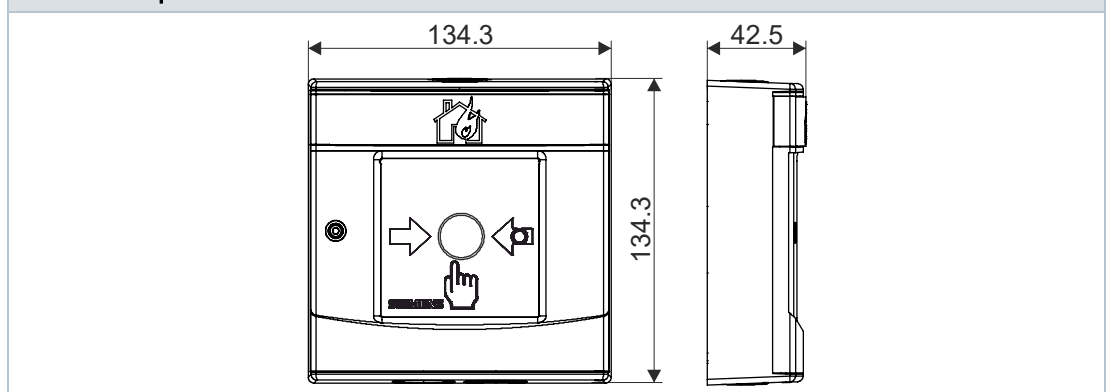
- Dispose of the device through channels provided for this purpose.
- Comply with all local and currently applicable laws and regulations.

Technical data

	FDM223H/FDM224H	
Operating voltage	DC 12...33 V	
Operating current (quiescent)	200 µA	
Ext. alarm indicator (AI)	2	
Operating temperature	-25...+70°C	
Storage temperature	-30...+75°C	
Air humidity (no moisture condensation)	≤95 % rel.	
Communication protocol	FDnet/C-NET	
Conductor cross section	0.28...1.5 mm ²	
Color	~RAL 3000 flame red	
Protection category (IEC 60529)		
<ul style="list-style-type: none"> • Without seal • With seal FDMP223 • With seal DMZ1197-AD 	IP41 IP44 IP66	
Standards	EN 54-11, EN 54-17	
Approvals	FDM223H:	FDM224H:
<ul style="list-style-type: none"> • VdS • LPCB • DNV GL (marine) 	G205014 531k/09 -	G206124 531k/11 MEDB00003UM
System compatibility	FS20, AlgoRex, SIGMASYS FS720	
<ul style="list-style-type: none"> • FDnet • C-NET 		

Dimensional drawings

Manual call point FDM223H/FDM224H



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