SIEMENS

Sinteso™/ Cerberus™ PRO

Manual call points

FDM225, FDM226

Manual call points with direct activation for the FDnet/C-NET automatic addressable detector bus

- Manual call points for addressed Sinteso FS20 and Cerberus PRO FS720 fire detection systems
- Direct activation: type 'A' according to EN 54-11
- Communication via the FDnet/C-NET detector line (addressed individually)
- FDM225 for surface and recessed mounting
- FDM226 for surface mounting with protection category IP66
- Either glass insert or resettable plastic insert
- Special FDM225 housing designs available for the French market:
  - FDM225-RG (F) with glass insert
  - FDM225-RP (F) with plastic insert
- Two-wire installation for all cable types

Properties

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)
- Address automatically issued during commissioning
- Protected electronics
- Connection terminal DBZ1190-AB (accessory) can be mounted if shielded cables are used

Eco-friendly

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

Use

Use

- For the immediate manual activation of a fire alarm
- Suitable for indoor and outdoor applications

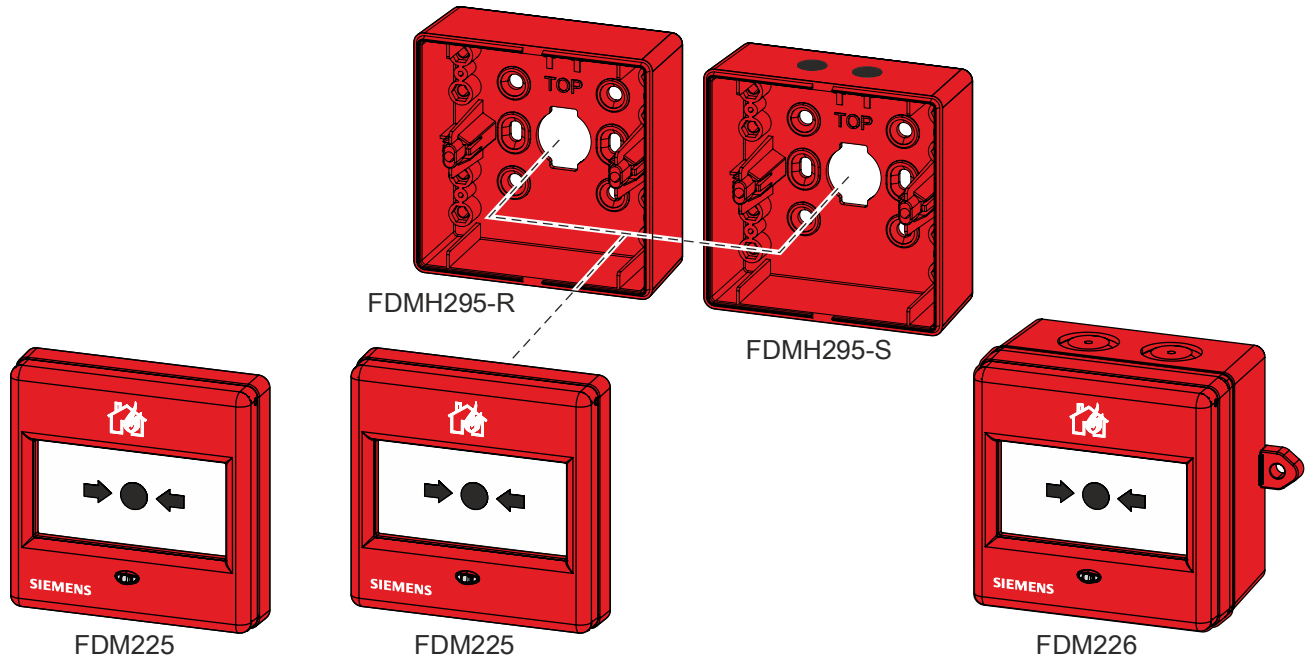
Types of mounting

The manual call points are suitable for surface and recessed mounting (FDM225-xx) or for surface mounting (FDM226-xx) in easily accessible locations.

Device / Accessory	Recessed mounting	Surface mounting
FDM225-RG with glass insert	X	X
FDM225-RP with resettable plastic insert		
FDMH295-R back box	–	X
FDMH295-S back box with holes and grommets		
FDM226-RG	–	X
FDM226-RP		

X = device/accessory required for this type of mounting

– = not required for this type of mounting

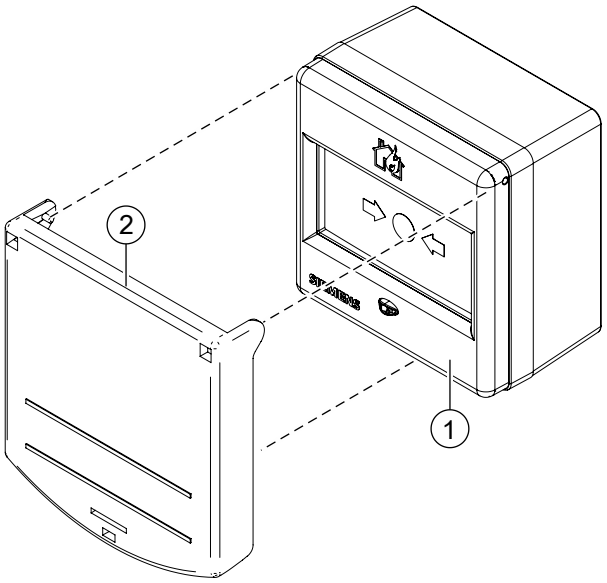


FDM225-xx FDM225-xx with back box FDMH295-x FDM226-xx

- If you use back box FDMH295-R with the FDM225-xx, a hole with Ø ≤20 mm must be drilled in the back box for the surface-mounted cable entry. Use metal cable gland M20 x 1.5 with metal counter nut M20 x 1.5 (accessories).
- The manual call point FDM226-xx has two break-out openings on the top and two on the bottom of the housing for cable entry purposes.
- If protection category IP66 is to be achieved with the FDM226-xx, the lateral fastening tabs must be used to mount the back box. Cable entry must be effected using metal cable gland M20 x 1.5 and metal counter nut M20 x 1.5 (accessories).

Function of manual call points FDM225-RG and FDM226-RG

- Direct alarm activation by pushing in the glass insert
- Manual call point reset by replacing the glass insert
- Protective cover FDMC295 (accessory) protects the manual call point against the glass being broken and the alarm activated accidentally



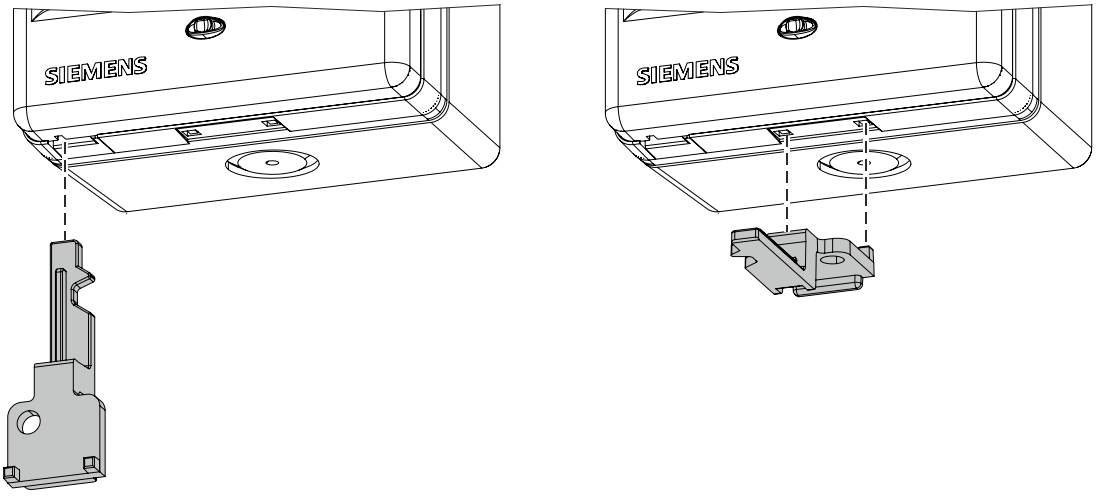
Installing the protective cover FDMC295

1 Manual call point FDM225

2 Protective cover FDMC295

Function of manual call points FDM225-RP and FDM226-RP

- Direct alarm activation by pressing the plastic insert
- Manual call point reset with key FDMK295
- Protective cover FDMC295 (accessory) protects the manual call point against the glass being broken and the alarm activated accidentally



Using key FDMK295 to reset the manual call point (left) and open the housing (right)

Type Overview

Type	Designation	Order no.	Weight [kg]
FDM225-RG	Manual call point with glass element	A5Q00013434	0,102
FDM225-RP	Manual call point with plastic element	A5Q00012020	0,100
FDM225-RG (F)	Manual call point with glass element for 'France'	A5Q00020274	0,102
FDM225-RP (F)	Manual call point with plastic element for 'France'	A5Q00020273	0,100
FDM226-RG	Manual call point with glass element including back box	A5Q00013435	0,196
FDM226-RP	Manual call point with plastic element including back box	A5Q00013436	0,208
FDMH295-R	Back box	A5Q00013437	0,061
FDMH295-S	Back box with holes and grommets	A5Q00013438	0,061
–	M20 x 1.5 metal cable gland	A5Q00004478	0,036
–	M20 x 1.5 metal counter nut	A5Q00004479	0,006
DBZ1190-AB	2.5 mm^2, 3-pin connection terminal	BPZ:4942340001	0,001
Accessories			
FDMC295	Protective cover	A5Q00013440	0,036
Replacement material			
FDMK295	Key	A5Q00013448	0,001
FDMG295	Glass insert 'Neutral'	A5Q00013442	0,012
FDMP295	Plastic insert 'Neutral'	A5Q00013445	0,008
FDMG295-F	Glass insert 'France'	A5Q00013443	0,012
FDMP295-F	Plastic insert 'France'	A5Q00013446	0,008

Product documentation

Document ID	Title
008164	Equipment overview Sinteso™ Detector system FD20
A6V10225323	Equipment overview Cerberus™ PRO Detector system FD720
009757	Technical manual Manual call points FDM221, FDM225, FDM226
008331	List of compatibility (for 'Sinteso™' product line)
A6V10229261	List of compatibility (for 'Cerberus™ PRO' product line)

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

http://siemens.com/bt/download

Technical data

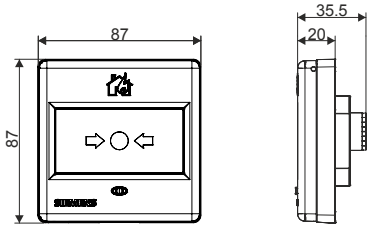
FDnet/C-NET operating voltage	DC 12…33 V			
Operating current (quiescent)	180 µA			
Operating temperature	-25…+70 °C			
Storage temperature	-30…+75 °C			
Air humidity	≤ 95 % rel.			
Communication protocol	FDnet/C-NET			
Connection terminals	0.28…1.5 mm^2			
Color	~RAL 3000, flame red			
Design according to EN 54-11	Direct activation 'type A'			
Environmental category according to EN 54-11:	• FDM225-xx: In buildings • FDM226-xx: In buildings and outdoor areas			
Color	~RAL 3000, flame red			
Protection category (IEC 60529):	• FDM225-xx: IP44 • FDM226-xx: IP66			
Approvals:	**FDM225-RP FDM225-RP (F)**	**FDM225-RG FDM225-RG (F)**	**FDM226-RP**	**FDM226-RG**
• VdS	G207092	G207092	G209194	G209194
• LPCB	126ap/01 126ap/10	126ap/02 126ap/11	126ap/03	126ap/04
System compatibility:	• FDnet: FS20, AlgoRex, SIGMASYS • C-NET: FS720			

08 CE 0832 **FDM225-RG/FDM225-RP/FDM225-RG (F)/FDM225-RP (F)**	Siemens Switzerland Ltd; Gubelstrasse 22 CH-6301 Zug Technical data: see doc. **009757**
FDM225 - Manual callpoint incl. short-circuit isolator for use in fire detection and fire alarm systems installed in buildings	
305/2011/EU (CPR): EN 54-11 / EN 54-17 ; 2004/108/EC (EMC): EN 50130-4 / EN 61000-6-3 ; 2011/65/EU (RoHS): EN 50581	
Declared performance and conformity can be seen in the Declaration of Performance and the EC Declaration of Conformity, which is obtainable via the Customer Support Center: Tel. +49 89 9221-8000 or http://siemens.com/bt/download	
DoP No.: 0832-CPR-F1082; DoC No.: CED-FDM225	

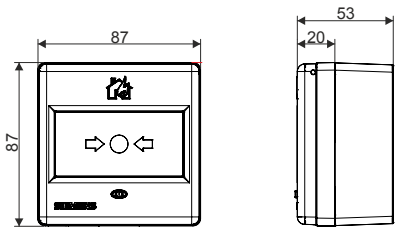
08 CE 0832 **FDM226-RG/FDM226-RP**	Siemens Switzerland Ltd; Gubelstrasse 22 CH-6301 Zug Technical data: see doc. **009757**
FDM226 - Manual callpoint incl. short-circuit isolator for use in fire detection and fire alarm systems installed in buildings	
305/2011/EU (CPR): EN 54-11 / EN 54-17 ; 2004/108/EC (EMC): EN 50130-4 / EN 61000-6-3 ; 2011/65/EU (RoHS): EN 50581	
Declared performance and conformity can be seen in the Declaration of Performance and the EC Declaration of Conformity, which is obtainable via the Customer Support Center: Tel. +49 89 9221-8000 or http://siemens.com/bt/download	
DoP No.: 0832-CPR-F1083; DoC No.: CED-FDM226	

Dimensional drawings

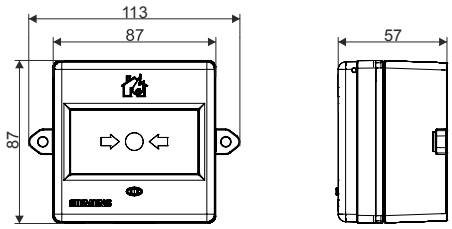
Manual call point FDM225-xx (recessed mounting)



Manual call point FDM225-xx with back box FDMH295-x (surface mounting)



Manual call point FDM226-xx



When mounting protective cover FDMC295 on manual call points, the depth dimension increases by 7 mm accordingly.

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