

AlgoRex / Synova™ / Cerberus™ FIT

## FDM1101, FDM1101A

Manual call points



### Conventional/SynoLINE300, Collective/SynoLINE600

- Manual call point FDM1101 for all fire detection systems with collective/SynoLINE600 signal processing
- Manual call point FDM1101A for all fire detection systems with conventional/SynoLINE300 signal processing
- Direct activation: type 'A' according to EN 54-11
- For surface and recessed mounting
- Either glass insert or resettable plastic insert
- Special FDM1101 housing designs available for the French market:
  - FDM1101-RG (F) with glass insert
  - FDM1101-RP (F) with plastic insert
- Two-wire installation for all cable types
- Optional connection terminal DBZ1190-AB (3-pin, 1...2.5 mm<sup>2</sup>) for connecting shielded cables

## Properties

### Features

- FDM1101-Rx with integrated alarm indicator (LED)
- Protected electronics

### 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 applications

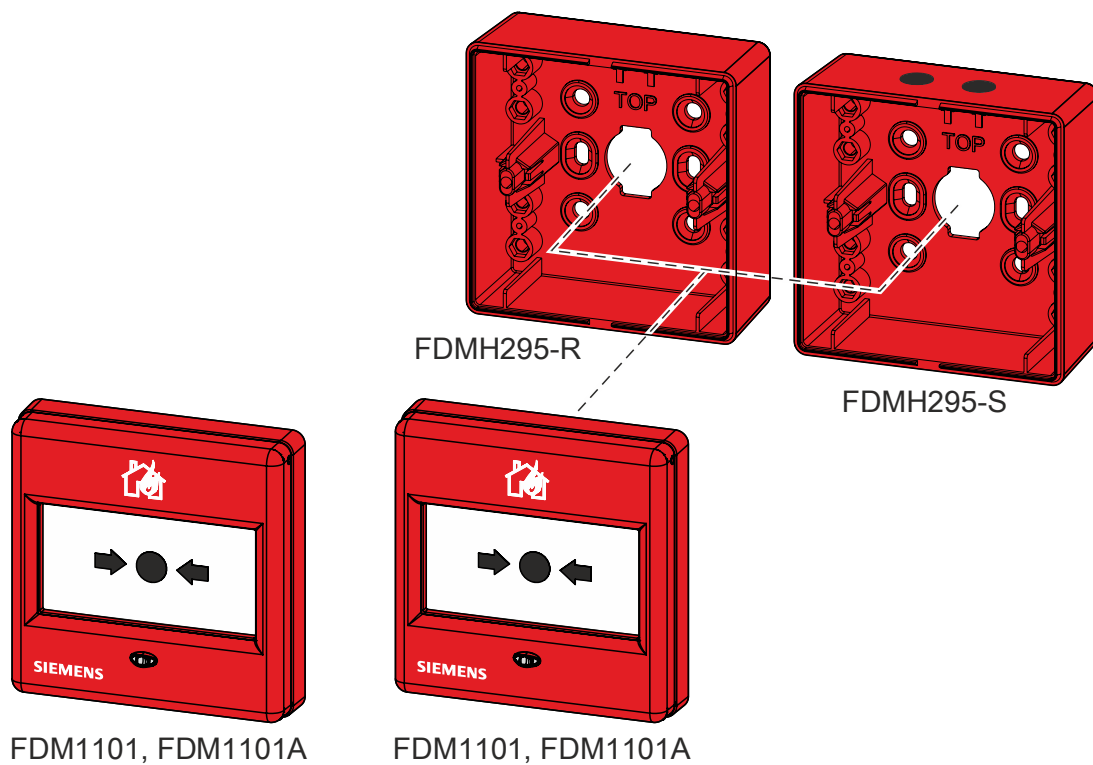
### Types of mounting

The manual call points are suitable for surface mounting and recessed mounting in easily accessible locations.

| Device / Accessory                                                                      | Recessed mounting | Surface mounting |
|-----------------------------------------------------------------------------------------|-------------------|------------------|
| FDM1101-RG with glass insert<br>FDM1101A-RG with glass insert                           | X                 | X                |
| FDM1101-RP with resettable plastic insert<br>FDM1101A-RP with resettable plastic insert |                   |                  |
| FDMH295-R back box                                                                      | –                 | X                |
| FDMH295-S back box with holes and grommets for cables Ø 5 mm                            |                   |                  |

X = device/accessory required for this type of mounting

– = not required for this type of mounting



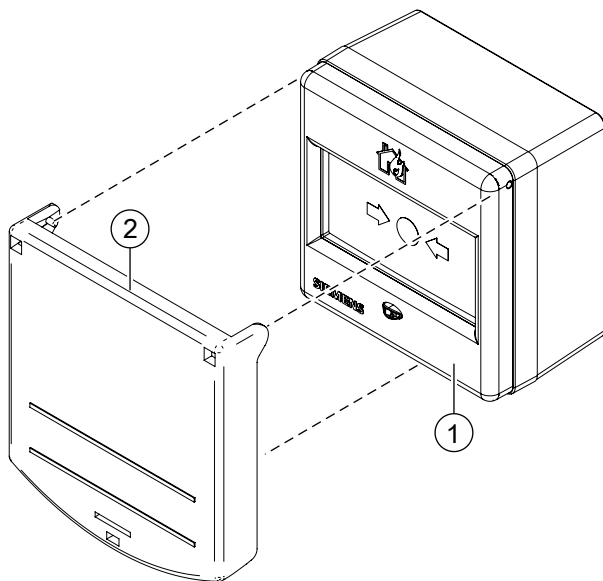
If you use back box FDMH295-R, a hole with  $\varnothing \leq 20$  mm must be drilled in the back box for the surface-mounted cable entry. Use metal cable gland M20 x 1.5 with metal counter nut M20 x 1.5 (accessories).

### Function of the manual call points FDM1101-RG, FDM1101A-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.

### Function of the manual call points FDM1101-RP, FDM1101A-RP

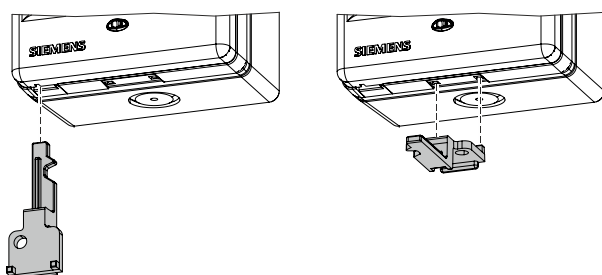
- Direct alarm activation by pressing the plastic insert
- Manual call point reset with key FDMK295
- Protective cover FDMC295 (accessory) protects the manual call point against the alarm activated accidentally.



*Installing the protective cover FDMC295*

1 Manual call points FDM1101-Rx, FDM1101A-Rx

2 Protective cover FDMC295



*Using key FDMK295 to reset the manual call points FDM1101-RP and FDM1101A-RP (left) and open the housing (right)*

## Type Overview

| Type                            | Designation                                      | Order no.      | Weight [kg] |
|---------------------------------|--------------------------------------------------|----------------|-------------|
| <b>Collective/SynoLINE600</b>   |                                                  |                |             |
| FDM1101-RG                      | Manual call point with glass element             | S54371-F6-A1   | 0.100       |
| FDM1101-RP                      | Manual call point with resettable plastic insert | S54371-F6-A2   | 0.094       |
| FDM1101-RG (F)                  | Manual call point with glass insert for France   | S54371-F6-A5   | 0.100       |
| FDM1101-RP (F)                  | Manual call point with plastic insert for France | S54371-F6-A6   | 0.094       |
| <b>Conventional/SynoLINE300</b> |                                                  |                |             |
| FDM1101A-RG                     | Manual call point with glass element             | S54371-F6-A3   | 0.102       |
| FDM1101A-RP                     | Manual call point with resettable plastic insert | S54371-F6-A4   | 0.096       |
| <b>Accessories</b>              |                                                  |                |             |
| 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 <sup>2</sup> , 3-pin connection terminal  | BPZ:4942340001 | 0.001       |
| FDMC295                         | Protective cover                                 | A5Q00013440    | 0.036       |
| FDMG295                         | Glass insert 'Neutral'                           | A5Q00013442    | 0.012       |
| FDMP295                         | Plastic insert 'Neutral'                         | A5Q00013445    | 0.008       |
| <b>Replacement material</b>     |                                                  |                |             |
| FDMK295                         | Key                                              | A5Q00013448    | 0.001       |
| FDMG295-F                       | Glass insert France                              | A5Q00013443    | 0.012       |
| FDMP295-F                       | Plastic insert France                            | A5Q00013446    | 0.008       |

## Product documentation

| Document ID | Title                                                       |
|-------------|-------------------------------------------------------------|
| A6V10225323 | Equipment overview Cerberus™ PRO Detector system FD720      |
| A6V10201150 | Technical manual Manual call point collective FDM1101-Rx    |
| A6V10201152 | Technical manual Manual call point conventional FDM1101A-Rx |
| 008331      | List of compatibility (for 'Sinteso™' product line)         |
| A6V10229261 | List of compatibility (for 'Cerberus™ PRO' product line)    |
| A6V10393192 | List of compatibility (for 'Cerberus™ FIT' product line)    |

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

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

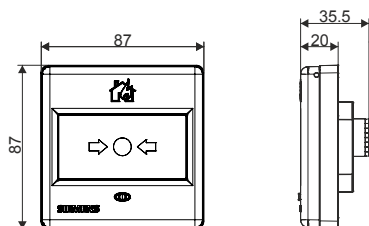
## Technical data

|                                               | FDM1101                                                                                                             | FDM1101A                                                                                   |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Operating voltage                             | DC 16...28 V                                                                                                        | Max. AC 28 V or DC 28 V                                                                    |
| Max. current, permanent                       | 60 mA                                                                                                               | 100 mA                                                                                     |
| Max. current, pulsating                       | 100 mA                                                                                                              | Max. 1 A                                                                                   |
| Operating temperature                         | -25...+70 °C                                                                                                        | -25...+70 °C                                                                               |
| Storage temperature                           | -30...+75 °C                                                                                                        | -30...+75 °C                                                                               |
| Air humidity<br>(no condensation permitted)   | <95 % rel.                                                                                                          | <95 % rel.                                                                                 |
| Connection terminals                          | 0.28...1.5 mm <sup>2</sup>                                                                                          | 0.28...1.5 mm <sup>2</sup>                                                                 |
| Color                                         | ~RAL 3000 flame red                                                                                                 | ~RAL 3000 flame red                                                                        |
| Protection category<br>(EN 60529 / IEC 60529) | IP44                                                                                                                | IP44                                                                                       |
| Conforming to:                                | EN 54-11                                                                                                            | EN 54-11                                                                                   |
| Environment category:                         | EN 54-11                                                                                                            | EN 54-11                                                                                   |
| Approvals                                     | FDM1101-RG / FDM1101-RP<br>FDM1101-RG (F) / FDM1101-RP (F)<br>G209148<br>126as/01 / 126as/02<br>126as/05 / 126as/06 | FDM1101A-RG / FDM1101A-RP<br><br>G209149<br>126as/03 / 126as/04                            |
| • VdS<br>• LPCB                               |                                                                                                                     |                                                                                            |
| Communication protocol                        | Collective/SynoLINE600                                                                                              | Conventional/SynoLINE300                                                                   |
| System compatibility                          | Compatible with all fire detection systems with collective/SynoLINE600 signal processing                            | Compatible with all control panels that support the conventional/SynoLINE300 specification |

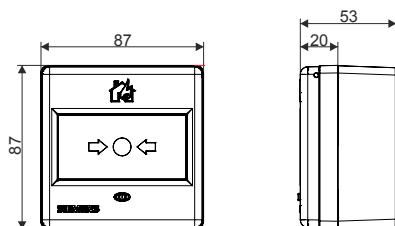
|                                                                                                                                                                                                                                                                                                   |                                                                          |                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| 08  0832                                                                                                                                                                                                       | <b>FDM1101-RG / FDM1101-RP</b><br><b>FDM1101-RG (F) / FDM1101-RP (F)</b> | Siemens Switzerland Ltd; Gubelstrasse 22<br>CH-6301 Zug<br>Technical data: see doc. <b>A6V10201150</b> |
| FDM1101 - Manual callpoint for use in fire detection and fire alarm systems installed in buildings.                                                                                                                                                                                               |                                                                          |                                                                                                        |
| 305/2011/EU (CPR): EN 54-11 ; 2014/30/EU (EMC): EN 50130-4 / EN 61000-6-3 ; 2011/65/EU (RoHS): EN 50581                                                                                                                                                                                           |                                                                          |                                                                                                        |
| The declared performance and conformity can be seen in the Declaration of Performance (DoP) and the EU Declaration of Conformity (DoC), which is obtainable via the Customer Support Center: Tel. +49 89 9221-8000 or <a href="http://siemens.com/bt/download">http://siemens.com/bt/download</a> |                                                                          |                                                                                                        |
| DoP No.: 0832-CPR-0774; DoC No.: CED-FDM1101                                                                                                                                                                                                                                                      |                                                                          |                                                                                                        |

|                                                                                                                                                                                                                                                                                                   |                                  |                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------|
| 08  0832                                                                                                                                                                                                       | <b>FDM1101A-RG / FDM1101A-RP</b> | Siemens Switzerland Ltd; Gubelstrasse 22<br>CH-6301 Zug<br>Technical data: see doc. <b>A6V10201152</b> |
| FDM1101A-RG, FDM1101A-RP - Manual callpoint for use in fire detection and fire alarm systems installed in buildings.                                                                                                                                                                              |                                  |                                                                                                        |
| 305/2011/EU (CPR): EN 54-11 ; 2014/30/EU (EMC): EN 50130-4 / EN 61000-6-3 ; 2011/65/EU (RoHS): EN 50581                                                                                                                                                                                           |                                  |                                                                                                        |
| The declared performance and conformity can be seen in the Declaration of Performance (DoP) and the EU Declaration of Conformity (DoC), which is obtainable via the Customer Support Center: Tel. +49 89 9221-8000 or <a href="http://siemens.com/bt/download">http://siemens.com/bt/download</a> |                                  |                                                                                                        |
| DoP No.: 0832-CPR-0775; DoC No.: CED-FDM1101A                                                                                                                                                                                                                                                     |                                  |                                                                                                        |

**Manual call points FDM1101-Rx, FDM1101A-Rx (recessed mounting)**



**Manual call points FDM1101-Rx, FDM1101A-Rx with back box FDMH295-x (surface mounting)**



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

Issued by  
Siemens Switzerland Ltd  
Building Technologies Division  
International Headquarters  
Gubelstrasse 22  
CH-6301 Zug  
Tel. +41 41-724 24 24  
[www.siemens.com/buildingtechnologies](http://www.siemens.com/buildingtechnologies)

© Siemens Switzerland Ltd, 2008  
Technical specifications and availability subject to change without notice.