



FDM221, FDM223, FDM224

Sinteso™

Manual call points



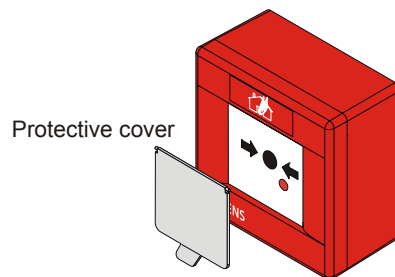
addressable (FDnet)

-
- Manual call point for the addressable Sinteso™ fire detection system
 - Manual call point FDM221 with direct operation
 - Manual call point FDM223 with indirect operation and FDM224 with direct operation
 - Two-wire installation for all types of cable
 - Communication via FDnet (individual addressing)

Characteristics

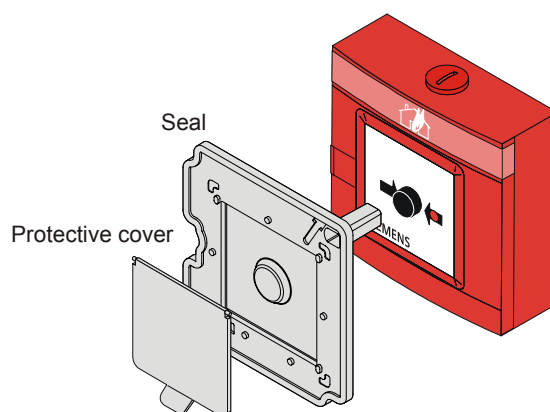
- **Environmental**
 - ecologically processing
 - recyclable materials
 - electronic and synthetic material simple separable
- **Characteristics**
 - protected electronic
 - Alarm indicator (LED) built-in
 - integrated line separator
 - two-colored LED for alarm and test

Manual call point FDM221



- **Function**
 - direct alarm actuation by pushing in the glass plate
 - By replacing the glass plate the push button is set back and the device is ready for operation again.
 - An additional protective cover FDMC291 protects the manual call point from unintentional glass break.
- **Application**
 - for the immediate manual actuation of a fire alarm or an extinguishing process
 - for indoor and outdoor application
 - for surface- and recess-mounted feed lines in easily accessible places

Manual call point FDM223 / FDM224



- **Function FDM223**
 - indirect alarm actuation by smashing in the glass plate and pressing the push button
 - To replace the glass plate, open the housing door with the key, the push button must be set back before closing the door again.
 - A protective cover DMZ1197-AC (accessory) protects the manual call point from unintentional glass break.
 - A seal DMZ1197-AD (accessory) protects the manual call point in wet applications.

- **Function FDM224**

- Direct alarm actuation by smashing in the glass plate
- To replace the glass plate, open the housing door with the key, upon closing the door the button is reset

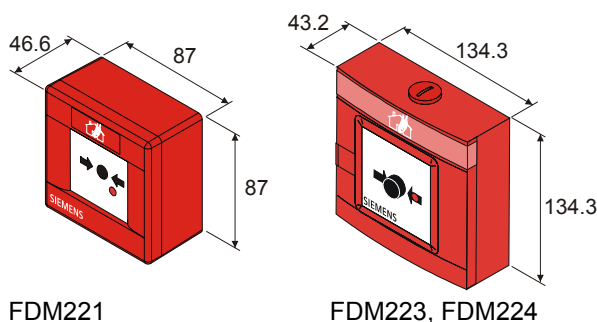
- **Application**

- for the immediate manual actuation of a fire alarm or an extinguishing process
- for indoor and outdoor application, equally suited for wet, humid and dusty areas
- for surface- and recess-mounted feed lines in easily accessible places

Installation

- For recess mounted feed lines, break out the break-out point in the housing bottom.
- For surface-mounted feed lines to the FDM221, a hole must be drilled into the top or bottom of the detector housing (marking), use at max. cable gland M20.
- For surface-mounted feed lines to the FDM223/224 the housing is equipped with opening sat the top and bottom, with sealing studs for M20 cable glands or locking plug.
- The switching unit can be placed immediately after connecting the feed line, which is an advantage with line test with a line-testing device.

Dimensions



Technical data

	FDM221	FDM223 / FDM224	
Operating voltage	12... 33 VDC	12... 33 VDC	
Operating current (quiescent)	200 µA	200 µA	
Ext. Alarm indicator (AI)	–	2	
Operating temperature	–25... +70 °C	–25... +70 °C	
Storage temperature	–30... +75 °C	–30... +75 °C	
Humidity	≤95 % rel.	≤95 % rel.	
Protocol	FDnet	FDnet	
Terminal block	0.28... 1.5 mm ²	0.28... 1.5 mm ²	
Color	red, RAL 3000, blue, RAL 5005 yellow, RAL 1023, green, RAL 6024	red, RAL 3000, blue, RAL 5005 yellow, RAL 1023, green, RAL 6024	
Protection category EN60529 / IEC529	IP44	IP44	
– with seal DMZ1197-AD	–	IP64	
Standards	EN54-11, EN54-17, BS5839-2	EN54-11, EN54-17, BS5839-2	
Approvals		FDM223	FDM224
– VdS	G203059	G204002	G206123
– LPCB	126ac/01	126ac/02	–
System compatibility FDnet	FS20, AlgoRex, SIGMASYS		
QS standards	Siemens Standard SN 36350		

Details for ordering

	Type	Part no	Designation	Weight
FDM221	FDMH291-R	A5Q00002217	Housing red, with key	0.099 kg
	FDMH291-Y	A5Q00004979	Housing yellow, with key	0.099 kg
	FDMH291-B	A5Q00004980	Housing blue, with key	0.099 kg
	FDMH291-G	A5Q00004981	Housing green, with key	0.099 kg
	FDME221	A5Q00002451	Switching unit	0.061 kg
Accessories	FDMC291	A5Q00001644	Protective cover	0.006 kg
	–	A5Q00004478	Metal screwed cable gland M20 x 1.5	0.039 kg
	–	A5Q00004479	Back nut M20	0.006 kg
Spare parts	FDMG291	A5Q00002122	Glass	0.005 kg
	FDMK291	A5Q00001643	Cover with key	0.035 kg
FDM223 / FDM224	FDMH293-R	A5Q00004023	Housing red, with glass and key	0.252 kg
	FDMH293-Y	A5Q00004908	Housing yellow, with glass and key	0.252 kg
	FDMH293-B	A5Q00004909	Housing blue, with glass and key	0.252 kg
	FDMH293-G	A5Q00004911	Housing green, with glass and key	0.252 kg
	FDME223	A5Q00003087	Switching unit for FDM223	0.106 kg
	FDME224	A5Q00009392	Switching unit for FDM224	0.067 kg
Accessories	DMZ1197-AC	5223550001	Protective cover	0.015 kg
	DMZ1197-AD	5470680001	Seal for wet areas	0.022 kg
	–	A5Q00004478	Metal screwed cable gland M20x1.5	0.039 kg
	–	A5Q00006735	Locking plug M20 x 1.5 (1 hole), red	0.007 kg
	–	A5Q00010055	Locking plug M20 x 1.5 (2 holes), red	0.007 kg
Spare parts	DMZ1196-AC	4942050001	Glass	0.014 kg
	DMZ1195	4851910001	Key	0.002 kg

Details see equipment overview 008164

Details about system compatibility see List of compatibility 008331