BOSCH

2014/2 Manual Call Points for Ex Areas

V d S

- ▶ Indirect alarm trigger (type B); in line with EN54-11
- ▶ For manually activating the alarm in areas of zones 1 and 2, 21 and 22; Class II and III
- ▶ Certified according to the Regulation (EU) No. 305/2011 for construction products
- ▶ Suitable for applications in hazardous areas
- ▶ Especially robust, weatherproof housing

Region	Regulatory compliance/quality marks	
	DOP	20944 Stop device 2014/2
	Ex	97 ATEX 3197 DKM 2014/2 / DKM 2014/2-GLU
Germany	VdS	G 297060 DKM 2014/2-ex/-GLU

The call points are used to manually activate the alarm in zones 1, 2, 21 and 22 at risk of explosion. They are encapsulated to not require any safety barrier.

Functions

In the event of an alarm, the glass is broken first, then the pushbutton is pressed hard. Thus, the switch triggers the alarm.
A locking mechanism holds the pressed manual call point.
The pushbutton can be reset with the reset lever. This does not reset the alarm on the fire panel.
The enclosure and the increased safety class of protection of the terminal room guarantee hazardous area protection. For reasons of explosion protection, the switch contact and the modules are gas-tight embedded. The housing is completely made of plastic. This ensures the high level of corrosion protection as well as Class II and III.

Regulatory information

Region	Regulatory compliance/quality marks	
Europe	CE	2014/2
	DOP	20346 Manual release device 2014/2
	DOP	20367 Manual call point 2014/2

Installation/configuration notes

- Use a standard hex key to open the device
- Manual call points must be illuminated sufficiently with daylight or another light source (including emergency lighting, if present).
- An installation height of 1400 mm ±200 mm, measured from the middle of the manual call point to the floor, must be maintained.
- Manual call points must be installed along escape and rescue routes (e.g. exits, passageways, stairwells).
- Further standards, guidelines and planning recommendations regarding the installation location etc., should also be taken into consideration (see Fire Detection manual).
- Regulations of local fire departments must be observed.

Installation/configuration notes in accordance with VdS/VDE

- The distance between manual call points should not exceed 100 m according to DIN 14675 or 80 m according to VdS.

- In high risk areas, manual call points should be installed at a distance of max. 40 m (VDE 0833 Part 2, Point 7.2.6).
- According to VdS, up to 10 manual call points can be connected to a primary line.

2014/2-ex Manual Call Point

- Using the FLM-420/4-CON-S interface module, the call points can be connected to the following control panels:
  - AVENAR panel 8000 / AVENAR panel 2000
  - FPA-5000
  - BZ 500 LSN
  - UEZ 1000 LSN / UEZ 2000 LSN
  - UGM 2020 LSN
- Can be connected directly to the following conventional control panels:
  - BZ 1012 / BZ 1060
  - UEZ 1000 GLT.

DKM 2014/2-ex-UGM Manual Call Point

- Can be connected directly to the UGM conventional Universal Danger Detection System

Technical specifications

Operating voltage	20 - 26.5 V DC
Switch contact	Changer (casted), II 2 G Ex d II C
Maximum contact load	5 A / 250 V AC 0.25 A / 250 V DC
Resistance • 2014/2 • DKM 2014/2-EX-UGM	3.9 kΩ (RE) / 820 Ω (R) 3.9 kΩ (RE) / 2.2 kΩ (R)
Cable entry	1 x M20 x 1.5 mm
Blind plug	1 x M20 x 1.5 mm
Housing material	Polyester, glass fiber reinforced
Colors	Red, RAL 3000
Dimensions (W x H x D)	136 x 138 x 88 mm
Weight	Approx. 1800 g

Protection class as per EN 60529	IP 66
Permissible operating temperature	-55 ℃ to +65 ℃
Permissible storage temperature	-60 ℃ to +85 ℃
Ex classification	EEx emd IIC T6
Test certificate / PTB No.	97-37001
ATEX approval no.	PTB 97 ATEX 3197

Ordering information

2014/2 Manual call point ex area
for ex area, surface-mounted, indirect alarm triggering, conventional technology
Order number **2014/2**

DKM 2014/2-EX-UGM Manual call point ex area UGM
for ex area, surface-mounted, indirect alarm triggering
Order number **DKM 2014/2-EX-UGM**

Accessories
FMC-SPGL-DEIL Spare glass
For manual call points of series DM, DKM, SKM, FMC-120 and FMC-210, 1 unit = 5 spare glasses
Order number **FMC-SPGL-DEIL**