

# Ex Manual Call Point

for application in potentially explosive areas of zones 1, 2, 21 and 22



## Features

- Flexible, system-suited application thanks to different resistor modules
- Housing made of glass fibre-reinforced polyester
- All metal parts made of stainless steel
- IP 66 according to EN 60529
- VdS approval
- II 2 G Ex de mb IIC T6 Gb, T5 Gb  
II 2 D Ex tb IIIC T100°C Db IP66
- Colour: red (yellow and blue as special alarm)

## Overview

The Type 2014/2 Manual Call Point is designed for manual fire alert purposes in potentially explosive areas. Its protection type allows for applications in all Ex areas of zones 1, 2, 21 and 22.

Its installation area and terminal compartment are realized with protection type „Increased Safety“ and thus guarantee a reliable explosion protection.

Both switching contact and modules are embedded gas-tight. The housing is made of glass fibre-reinforced polyester, which ensures its corrosion protection as well as its classification for protection classes II and III. Therefore, an equipotential bonding conductor is not needed.

A further plus of the device is its sturdy design with a wall thickness of min. 8 mm.

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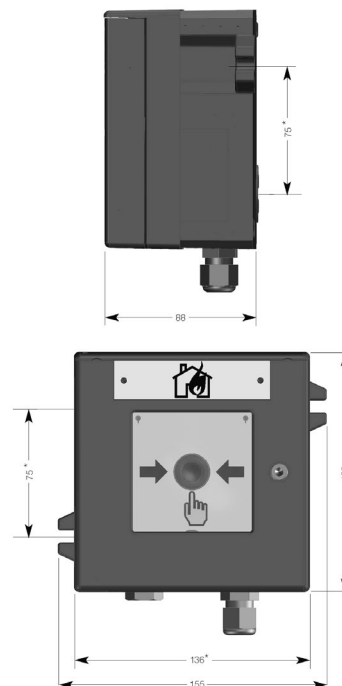
## General arrangement drawing (all dimensions in mm)

### Certifications

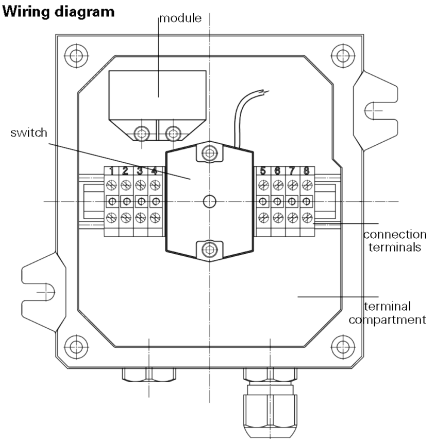
Protection type	Without module: II 2 G Ex de IIC/T5 Gb with module: II 2 G Ex de mb IIC/T6 Gb, T5 Gb II 2 D Ex tb IIIC T100°C Db IP66
Approval	97 ATEX 3197
VDS approval no.	Fire alarm: G 297060 Special alarm: G 207146
BPR 305/2011 EWG	Fire alarm: CE 0786-CPD-20367 Special alarm: CE 0786-CPD-20346

### Specifications

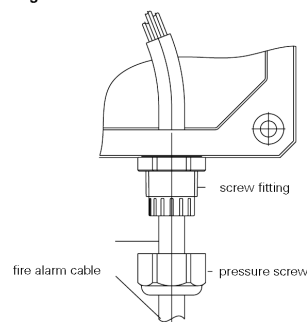
Designation	Type B Manual Call Point according to EN 54-11 or Special Alarm according to EN 12094/EN 12094-1
Housing	Glass fibre-reinforced polyester
Housing colour	Fire alarm: red RAL 3000 Special alarm: yellow or blue on request
Surface resistance	Electrostatically conductive
Cable glands	1x M16 x 1.5, cable clamping range $\varnothing$ 4-8 mm Blind plug 1x M16 x 1.5
Switching contact	Changeover contact (embedded, II 2 G Ex d II C)
Contact rating	Max. 5 A/250 VAC 0.25 A/250 VDC
Connection terminals	Up to 4 mm <sup>2</sup> single or fine-wire
Ingress protection	IP 66 according to IEC 60529
Protection class	II and III (no equipotential bonding necessary)
Operating conditions	Indoors and outdoors
Operating position	Wall mounting
Operating temperature	-55 °C to +65 °C (T6), -55 °C to +85 °C (T5)
Dimensions	Approx. 136 x 138 x 88 mm
Weight	Approx. 1.8 kg



### Wiring diagram



### Cable gland



### Ordering data

Type	Designation	Resistors	Art. No.*
2014/2	Ex fire switch	-	FHF 318 100 01
2014/2	Ex fire switch	3.3 k $\Omega$ (RE)/680 $\Omega$ (R)	FHF 318 100 02
2014/2	Ex fire switch	3.9 k $\Omega$ (RE)/820 $\Omega$ (R)	FHF 318 100 03
2014/2	Ex fire switch	3.9 k $\Omega$ (RE)/2.2 k $\Omega$ (R)	FHF 318 100 04
2014/2	Ex fire switch	10 k $\Omega$ (RE)/1 k $\Omega$ (R)	FHF 318 100 05

\* All models are red by standard. Yellow and blue variants are available on request.