MANUAL CALL POINT W/SELFVERIFY - BF-300M/N

Interactive fire detection systems
Product Datasheet

Technical specifications and instructions

Features

- Addressable
- Max. 3 second response time
- The call point comprises a built in indicator (LED)
- Can be tested by means of a special test key
- With SelfVerify function for reduced maintenance/ testing and increased reliability
- Short circuit isolator in each call point
- Automatic addressing
- Proven technology
- Designed to meet the requirement of the major maritime classification societies

Description / Application

BF-300M/N is a manual call point designed for use with Autronica's interactive fire detection systems, and comprises the SelfVerify function. This function ensures the highest grade of reliability and the lowest degree of manual testing because all units comprising this function are automatically self-tested once every 24 hours.

BF-300M/N is delivered with a metal box fitted with two cable glands. This version is made for applications where a higher degree of weather protection is required.

The call point is for use in hazardous area zone 2. It must be connected to a loop driver approved for zone 2.

The call point must be installed according to local regulations, which normally means along escape routes, landings and exits.

Principle

Break glass operation, releasing alarm switch.
Reset when a new glass is mounted.

SelfVerify: the call point's ability to initiate alarms is regularly checked.

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| **Schedule Drawing** |
| No modifications permitted |
| without reference to the |
| Notified Body |
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Versions

- BF-300V2*   Manual call point with SelfVerify
- BF-300M*   Manual call point with SelfVerify, with metal mounting box and cable glands
- BF-300M/N   Manual call point with SelfVerify. Ex ic version for use in zone 2 only.
- BF-500/EX*   Manual call point with SelfVerify. Ex ia version for use in zone 0, 1 and 2
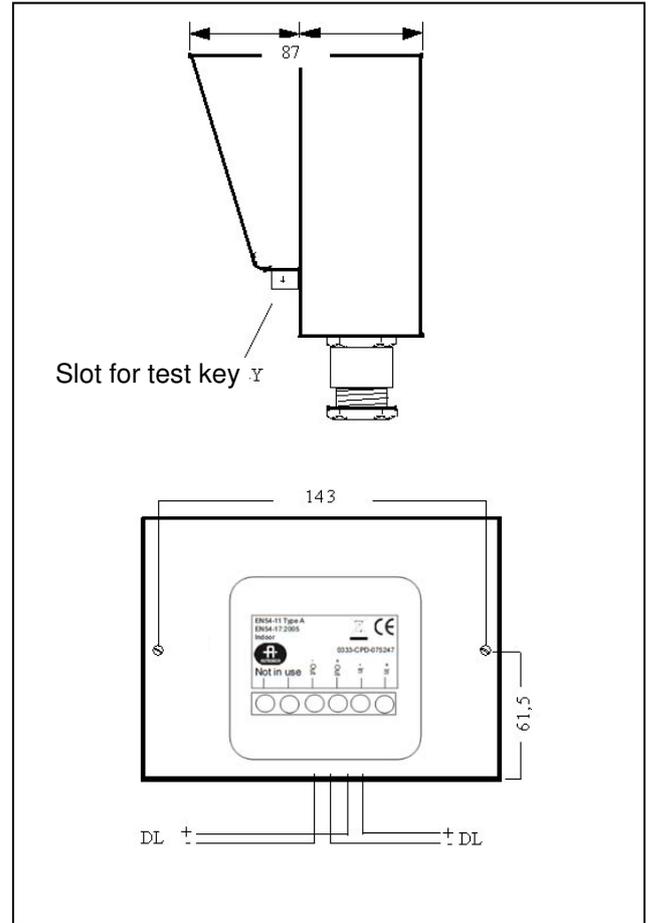- BF-500/N*   Manual call point with SelfVerify. Ex ic version for use in zone 2
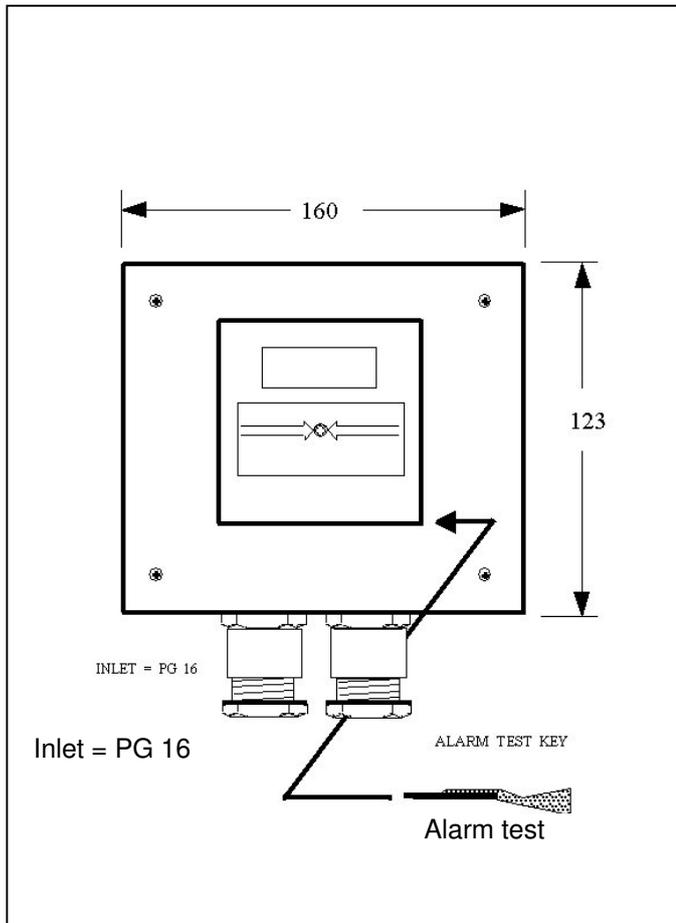
* See separate data sheet

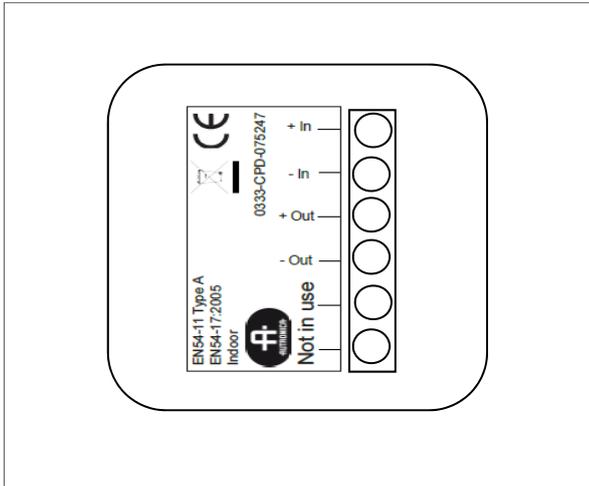| Technical specifications	
Weight	989 g
Material	Thermo plastic
Material, M-version box	Silumin
Colour	Red
Voltage	10 - 27 VDC
Current consumption Stand by: Alarm (LED):	0,3 mA 6 mA
Environm. requirement	EN 54
Degree of protection, inner housing	IP44*
Working temperature	-30 - +50 °C
Humidity (non-condensing)	Max. 95 % RH
Cable wire	Maximum 2,5 mm2
Maintenance	Replace broken glass
Service	Replace if faulty
Certificates	See website
Notified body	Nemko ID No. 0470 CSA
Type examination certificate	NEMKO 03ATEX217X IECEx NEM 11.0017X
Directives and standards	2014/34/EU (ATEX) EN 60079-0:2012 EN 60079-11:2012 IEC 60079-0:2011 IEC 60079-11:2011 2014/30/EU (EMC) Immunity: EN 50130-4:2011 Emission: EN 61000-6-3:2001 CAN/CSA-C22.2 No. 0-10 CAN/CSA-C22.2 No. 205-12 CAN/CSA-60079-0-11 CAN/CSA-60079-1-11 CAN/CSA-60079-11-11 CAN/CSA-C22.2 No. 60529-05 UL 464, 9th Edition UL 60079-0, 5th Edition UL 60079-1, 6th Edition UL 60079-11, 5th Edition ANSI/IEC 60529:2004 ANSI/ISA-60079-26:2011
Ex parameters	⟨Ex⟩ II 3G Ex ic IIB T4 Gc Class I, Zone 2, AEx ic IIB T4 Gc **Warning**: *Do not rub.*

*requires approved cable glands and/or plugs of minimum the same IP level

Product Name	Part number	Description
BF-300M/N	116-BF-300M/N	Manual call point certified for use in zone 2
	116-4860-011.0025	Spare Callpoint

Dimension Drawing (mm)

INLET = PG 16

Inlet = PG 16

ALARM TEST KEY

Alarm test

160

123

87

Slot for test key

143

61,5

EN54-11 Type A
EN54-17:2005
Indoor

0333-CPD-075247

CE

Not in use

DL +   + DL

Connections

Control drawing