

# Manual call point with SelfVerify - BF-502/EX

Interactive fire detection systems  
Product datasheet

## Declaration of conformity and instructions

### Features

- Break glass unit for use in harsh environmental conditions
- Weather proof
- Corrosion resistant GRP
- Protection degree IP66 and IP67
- Short circuit isolator in each unit
- Automatic addressing
- Proven technology
- With SelfVerify function for reduced maintenance/testing and increased reliability
- Designed to meet the requirement of the major maritime classification societies

### Applications

BF-502/EX is a manual call point for use in hazardous area zone 0, 1 or 2. It must be connected to the approved barrier BZ-500. The call point has been 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.

The high IP degree and mechanical strength of the enclosure makes the call point suitable for outdoor applications in industrial, maritime and offshore installations.

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.

#### Schedule Drawing

No modifications permitted  
without reference to the  
Notified Body



Technical specifications	
Weight	0,5 kg
Material	Glass reinforced polyester
Colour	Red
Voltage	10 - 27 VDC
Current consumption stand by:	0,3 mA
Environm. requirement	EN 54
Degree of protection	IP66
Working temperature	- 20 - + 70 °C
Storage temperature	- 55 - + 70 °C
Cable inlets	2 x M20
Maintenance	Replace broken glass
Service	Replace if faulty
Certificates	See website
Notified body	Nemko-Oslo-Norway ID No. 0470
Type examination certificate	NEMKO 03ATEX218X IECEX NEM 11.0009X
Directives and standards	94/9/EC (ATEX) IEC 60079-0:2007 IEC 60079-11:2006 IEC 60079-26:2006 EN 60079-0:2009 EN 60079-11:2007 EN 60079-26:2007 2004/108/EC (EMC) Emission: EN 50081-1:1992 Immunity: EN 50130-4:1995 EN 61000-6-2:1999
Ex parameters	⊕ Ex II 1G Ex ia IIC T5 Ga U <sub>i</sub> = 15,75V I <sub>i</sub> = 63,5mA C <sub>i</sub> = 21,6nF L <sub>i</sub> = 0 P <sub>i</sub> = 0,44W



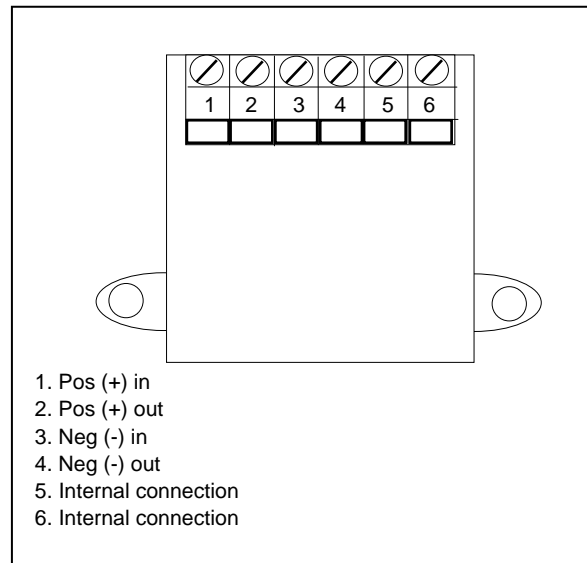
Part number	Description
116-BF-502/EX	Manual call point certified for use in zone 0, 1, 2

**Versions**

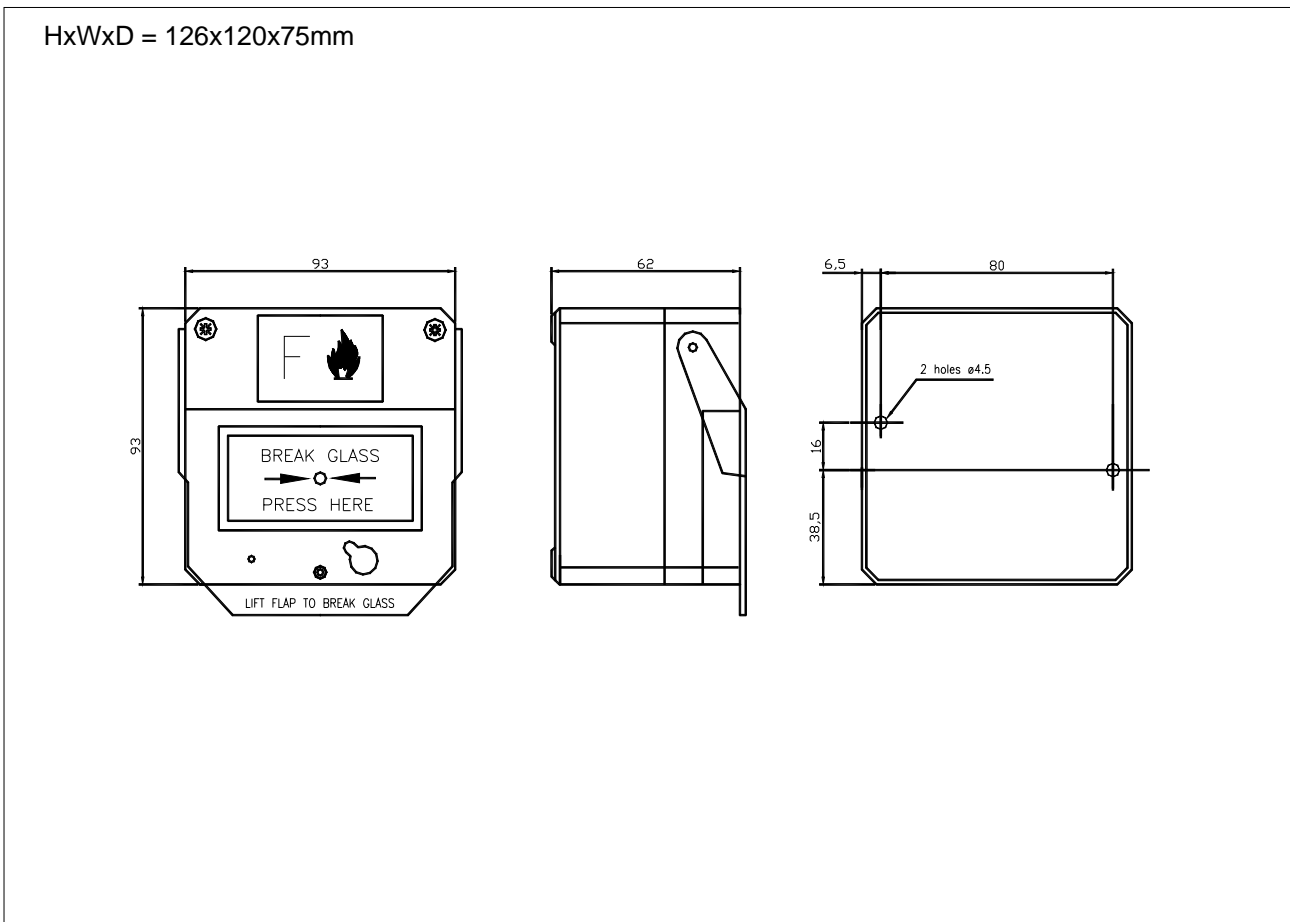
- BF-502\* Manual call point with SelfVerify
- BF-502/EX Manual call point with SelfVerify. Exia-version for use in all zones
- BF-502/N\* Manual call point with SelfVerify. Exn-version for use in zone 2 only

\* See separate data sheet

**Connections**



**Dimensions**



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