MANUAL CALL POINT W/SELFVERIFY - BF-500V2/N

Interactive fire detection systems
Product Datasheet

Features

- Addressable
- Max. 3 seconds response time
- 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 unit
- Automatic addressing
- Proven technology
- Designed to meet the requirement of the major maritime classification societies

Description / Application

BF-500V2/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.

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

- Press white plastic element. Resettable by means of dedicated test key.
- Optional: Break glass element. Resettable by mounting new glass element.

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

Related Drawing
No modifications permitted without reference to Ex Technical Responsible

Versions

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

* See separate datasheet

Installation

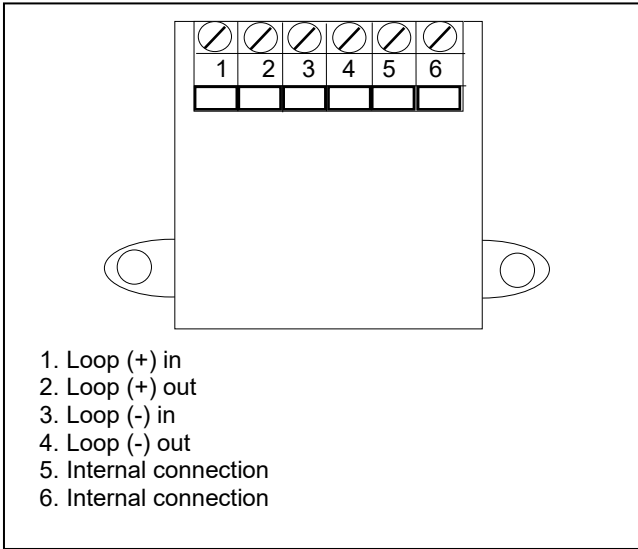The back box is provided with three knockouts for M20 cable glands, two at the top and one at the bottom.

The recommended mounting of the backbox to the wall is by using the provided mounting ears, this will ensure the Ingress Protection. If holes are made in the back box, they need to be sealed to ensure that ingress protection is maintained.

AUTRONICA

Product Name	Part number	Description
BF-500V2/N	116-BF-500V2/N	Manual call point certified for use in zone 2
	116-4860-011.0100	Optional polycarbonate cover

Technical specifications	
Weight	185 g
Material	ABS
Colour	Red
Voltage	10 - 27 VDC
Current consumption Stand by: Alarm (LED):	 0,3 mA 6 mA
EN54 certification	EN 54-11:2001/A1:2005 EN 54-17:2005/AC:2007
Degree of protection	IP 65
Working temperature	-30 - +50 °C
Storage temperature	-55 - +70 °C
Humidity (non-condensing)	Max. 95% RH
Service	Replace if faulty
Certificates	See website
Notified body	Nemko ID No. 0470
Type examination certificates	NEMKO 03ATEX217X IECEx NEM 11.0017X
Directives and standards	Refer to Doc-1004552 (Schedule drawing: "Control Drawing/User Manual/Technical Specifications and Instructions") where this information is listed. A link to this document is included on the product page for this product at www.product.autronicafire.com.
Approvals	www.autronicafire.com

Connections

1. Loop (+) in
2. Loop (+) out
3. Loop (-) in
4. Loop (-) out
5. Internal connection
6. Internal connection

Dimension Drawing