MONITORING INPUT UNIT BN-201

Interactive fire detection systems
Product Datasheet

Features

- Interactive
- Configurable input
- Interface unit for fault monitoring of external units
- Monitored input
- Can give a specific fault message at activation
- Short circuit isolator in each unit
- Automatic addressing
- Proven technology
- Designed to meet the requirements of the major maritime classification societies
- Up to four different configurations of input contacts

Applications

The BN-201 is connected to the detector loop and is used for monitoring of fault or other signal contacts from external equipment. A typical application is monitoring of the power fault contact in the power supply to a fire pump. Activation of the monitored contact will result in fault warning in the fire alarm control panel, and a customer-specified text will appear in the display.

Application includes monitoring of:
- Fire pumps
- Smoke dampers
- Water level switches
- Fan coils etc.

Principle

Four different classes can be configured in order to be able to monitor different setups of the fault contact(s).
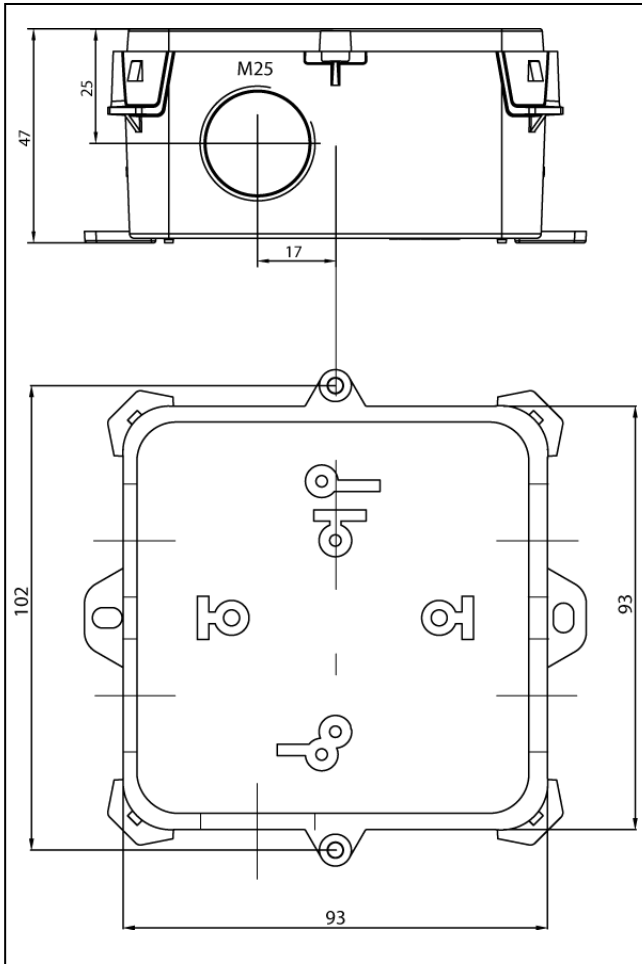- Class 1: Normal Open contact with 'activate' resistor, fault monitored for open and short circuit.
- Class 2: Normal Closed contact with 'activate' resistor, fault monitored for open and short circuit.
- Class 3: Normal Closed contact without 'activate' resistor, fault monitored for short circuit.
- Class 4: Normal Open contact without 'activate' resistor, fault monitored for open circuit.

Each class can be set to latching or non-latching operation.

Technical specifications	
Weight	175 g
Material	Thermo plastic
Colour	Light grey
Input function	Configurable
Voltage	10 - 27 VDC
Max. capacitance on input	30 nF
Current consumption, Stand by:	0,3mA
Environm. requirement	EN 54-5/EN 54-7
Degree of protection: Membrane inlets PG inlets (PG-13,5)	IP54 IP67
Working temperature	- 20 - + 70°C
Humidity (non condensing)	Max. 95% RH
Maintenance	None
Service	Replace if faulty
Approvals	See website

AUTRONICA

Part number	Description
116-BN-201	Monitoring input unit

Dimensions (mm)

M25

25

47

17

102

93

93

Connections

BNB-200/01

1 2 3 4 5 6

1. Pos (+) in
2. Pos (+) out
3. Neg (-) in
4. Neg (-) out
5. (-) Input
6. (+) Input

Class 1

5
6

N.O.

910 Ohm

2KOhm

Class 2

5
6

N.C.

910 Ohm

2KOhm

Class 3

5
6

N.O.

2KOhm

Class 4

5
6

N.C.

2KOhm