SINGLE RELAY OUTPUT UNIT - BN-310

Interactive fire detection systems
Produktdatablad

Features

- Interactive.
- Provides 1 potential free changeover contact
- Short circuit isolator in each unit
- Automatic addressing
- Proven technology
- With SelfVerify function for reduced maintenance/testing and increased reliability
- Designed to meet the requirements of the major maritime classification societies

Applications

The single relay output unit BN-310 contains a potential free changeover contact, which can be activated from a detector or a combination of several detectors in alarm. The output can be activated from any detector in the system, not limited to detectors connected to the same physical loop.

The unit is used for:

- Door release
- Sprinkler control/functions
- Control of fire dampers

The unit has been designed for use with Autronica's interactive fire detection systems, and comprises the SelfVerify function. The function ensures the highest grade of reliability and reduces the need for manual testing, because all units comprising this function are automatically checked once every 24 hours.

Note:
External units cannot be powered by the detector loop.

Principle

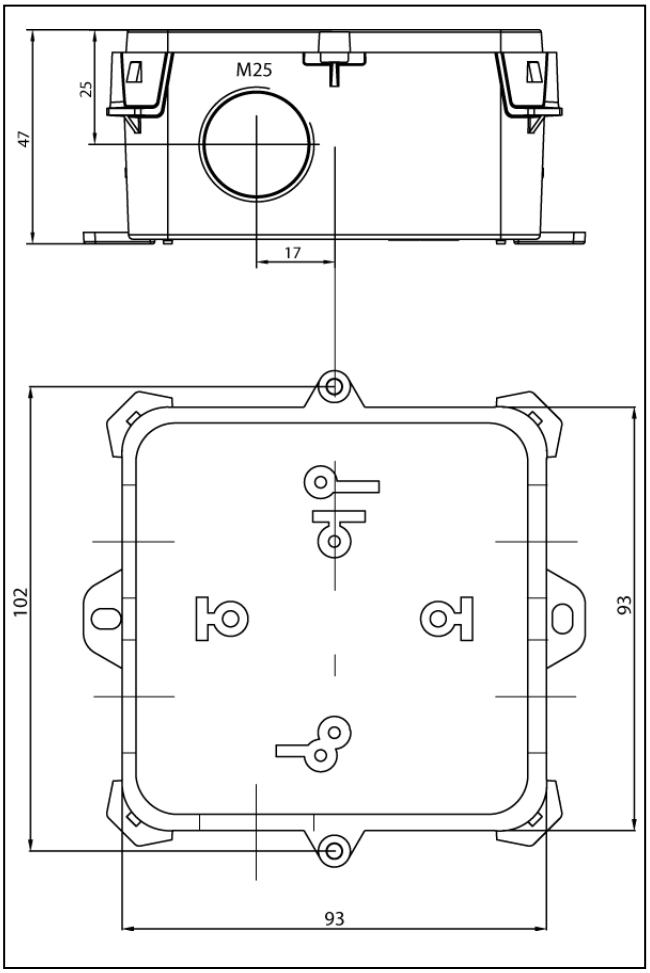
The unit has one (1) output. Relay position / operation is monitored. BN-310 will occupy one address on the detector loop.

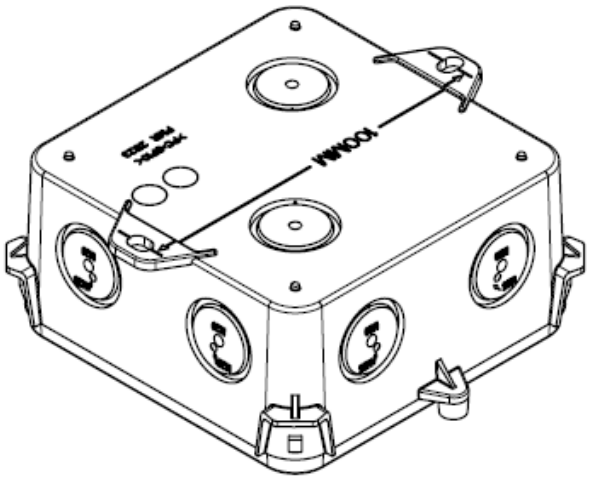
SelfVerify: the unit's ability to initiate alarm signal is regularly checked.

Technical specifications	
Weight	175 g
Material	Fiberglass reinforced polycarbonate (PC +GF10%)
Colour	Light grey
Output	1 potential free change-over contact. Max. 1A - 30 VDC resistive
Voltage	10 - 27 VDC
Current consumption: Stand by	 0,3mA
Environm. requirement	EN 54-5/EN 54-7
Degree of protection: Membr. 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

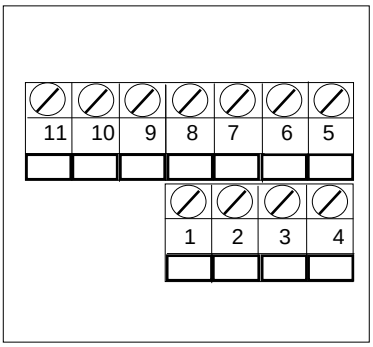
Part number	Description
116-BN-310	Single relay output unit
116-6571-011.6020	M20 membrane gland (4 glands included)

Dimensions (mm)





Connections



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

} Loop

5. N.A
6. N.A
7. N.A
8. N.A

} Not for use.

9. Normally open
10. Normally closed
11. Common

} Relay contact