

Door control unit - BN-320/2

Interactive fire detection systems

Product datasheet

Features

- Interactive
- Door control and door position monitoring
- 2 monitored inputs for on/off function
- 1 output with potential free changeover contact
- Built in short circuit isolator
- Automatic addressing
- Connected directly to the detection loop
- Operation failure warning
- Proven technology
- With SelfVerify function for reduced maintenance/testing and increased reliability

Application/Description

The door control unit BN-320/2 is used for control and monitoring of fire doors. The unit is designed for use with Autronica's interactive fire detection systems, and comprises the SelfVerify function. This 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. The unit is connected directly to the detection loop.

Principle

The unit has 2 monitored inputs monitoring the doors position (open/closed), plus 1 output with a potential free changeover contact controlling the power to a door magnet. The door magnet must be powered from an external 24 VDC power supply.

An open circuit (loss of 2k on the inputs) gives fault warning.

The unit has a built in short circuit isolator. In the event of a short circuit, the short circuit location will be isolated.

SelfVerify: the ability to initiate alarm signals is regularly checked.



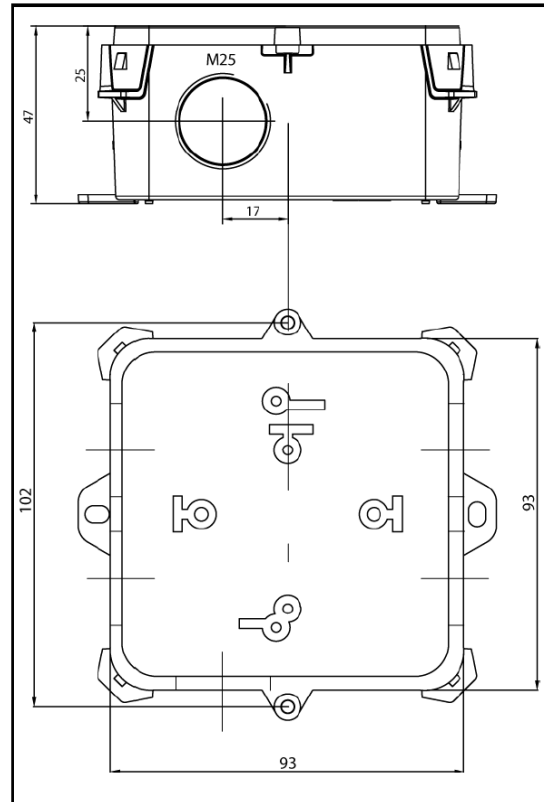
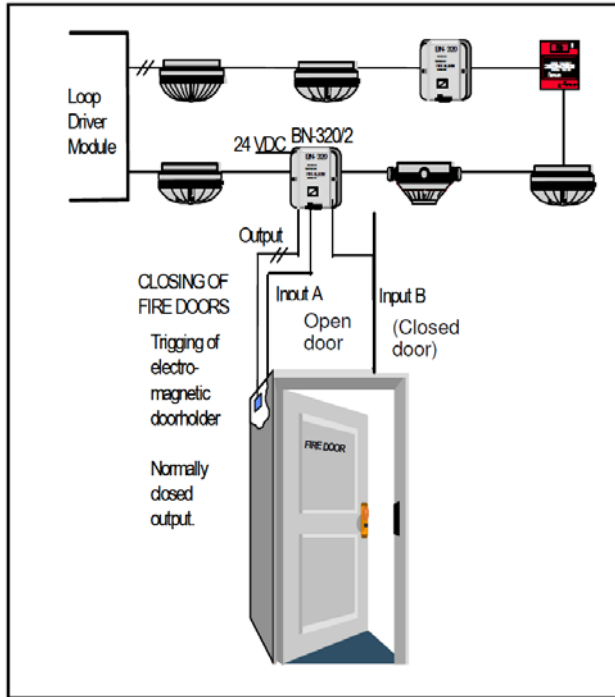
Technical specifications

Weight	175 g
Material	Thermo plastic
Colour	Light grey
Output	Pot.free changeover contact. Max. 1A – 30 VDC resistive
Max. capacitance on input	40 nF
Voltage, AL_Com (detection loop)	10 – 27 VDC
Current consumption Stand by	0,3 mA
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 Autronica's website

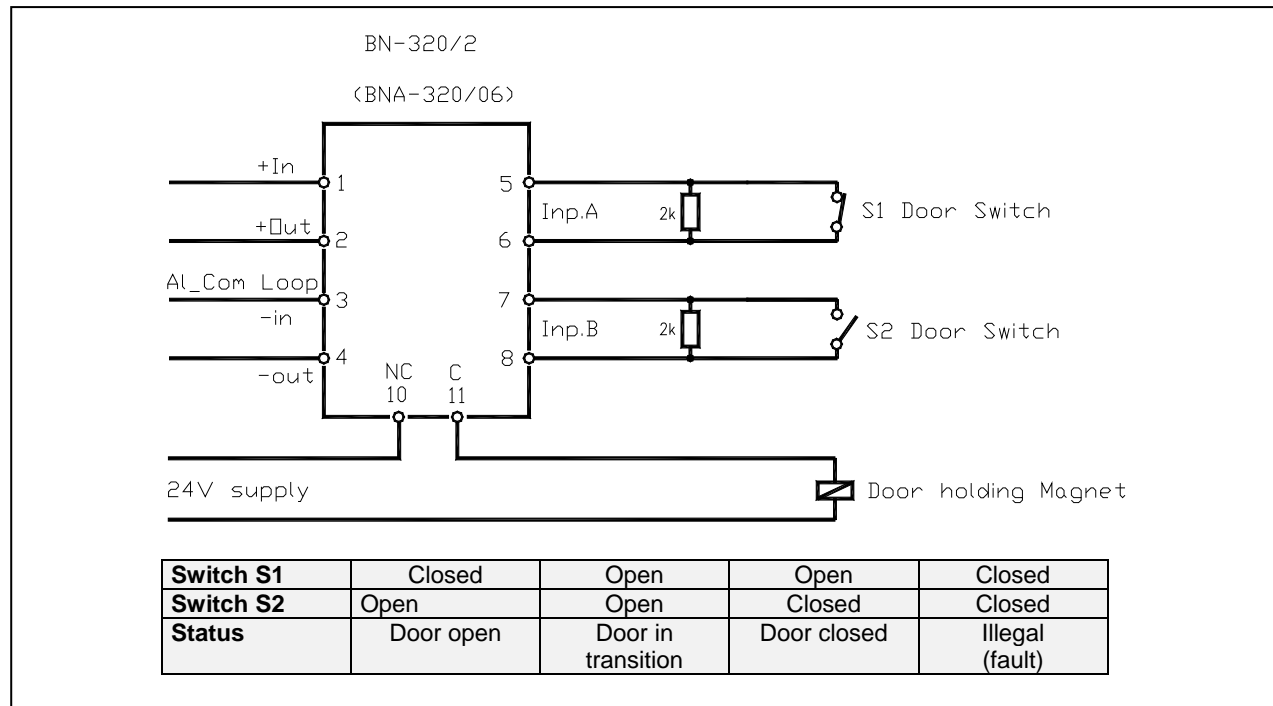
Part number	Description
116-BN-320/2	Door control unit

Dimensions (mm)

Overview



Connections



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