

AutoSafe Sprinkler Valve Monitoring Control Unit BN-320/FS

Features

- Interactive.
- 1 monitored inputs.
- Connected directly to the detection loop.
- Short circuit isolator in each unit.
- Addressable.
- Loop powered.

Application / Description

The Autronica BN-320/FS Sprinkler Monitoring Control Unit is designed for maritime installations. The unit is connected to the detector loop, and it is designed for use with the AutoSafe Interactive Fire Alarm System, and AutoMaster 5000.

Typical applications are:

- Interface for FlowSwitches.
- Interface for Sprinkler/Valves.

The unit has one (1) monitored input. An open circuit (loss of the 2k on the input) gives fault warning.

Stable signal on input for time 1 gives pre-alarm. Stable signal on input for time 2 gives fire alarm.

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

When used with AutoMaster 5000, the sprinkler configuration can be displayed in AM5000's GIS display. It is possible to specify automatic group functions related to sprinklers in AM5000. See datasheet AutoMaster 5000 for more information.

Principle

The unit has a printed circuit board (BNA-320/11) with one (1) monitored input, and will occupy one address on the detector loop.

The following is configured with AutoSafe Configuration tool:

- Pre-warning timer (in seconds - time 1).
- Alarm timer (in seconds -time 2).

Must be configured as a BN-320/2 in the AutoSafe ConfigTool.

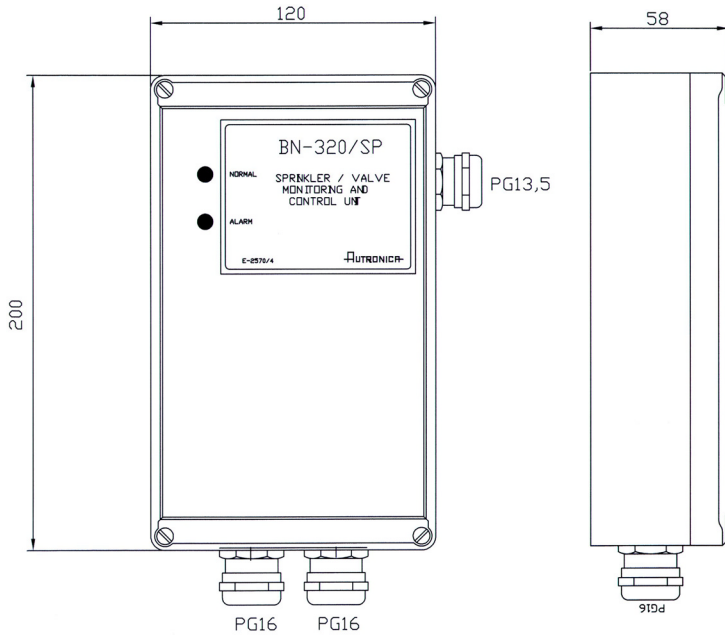


Technical Specifications

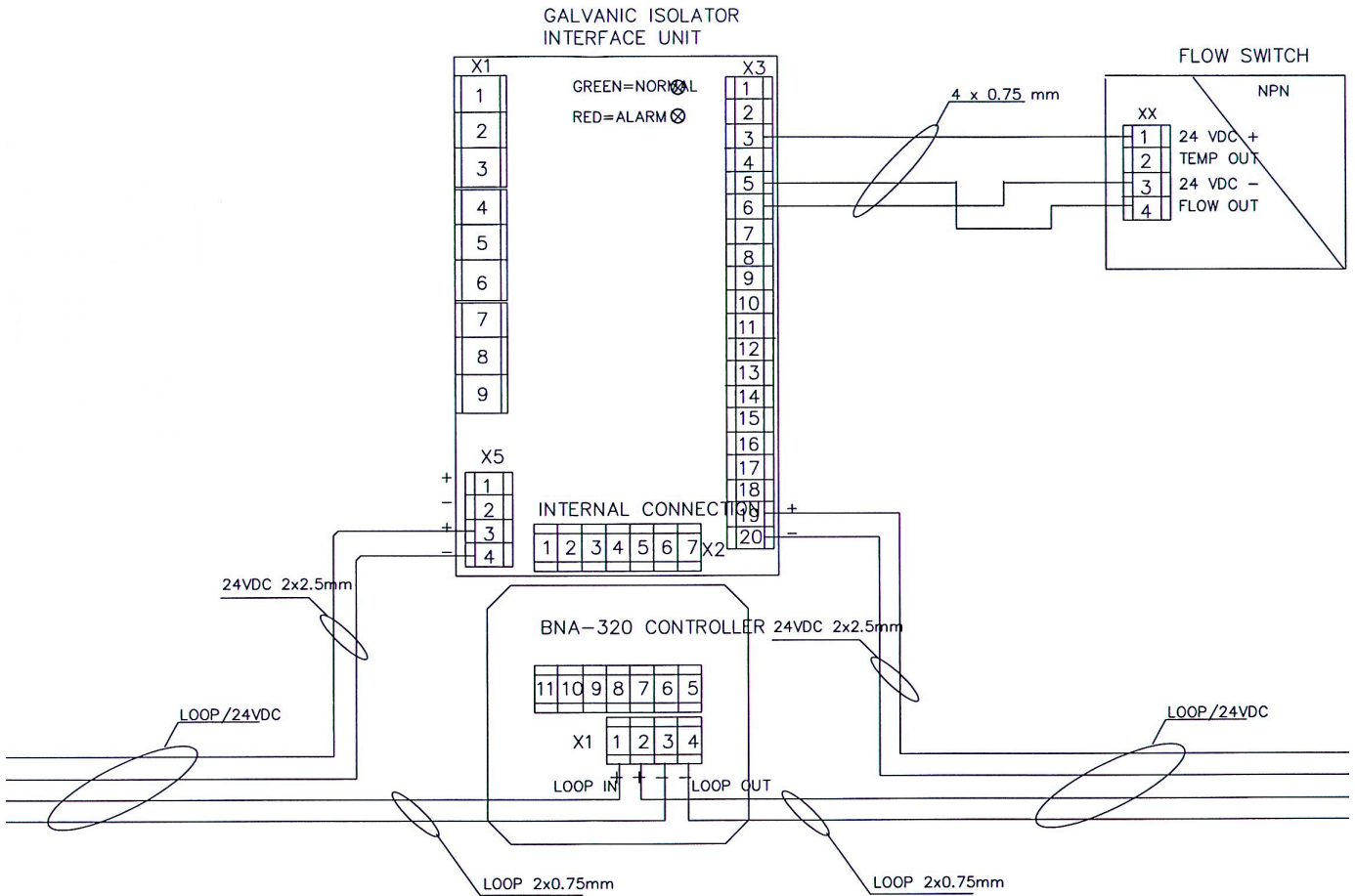
Weight	
Material	ABS (Acrylonitrile-Butadiene-Styrene) plastic
Colour	Light grey, RAL7035
Impact Resistance (DIN 53453)	9 kJ/m ²
Fire retarded	UL94-HB/3mm
Temperature Resistant Method: DIN53461 A	74°C
Input function	Configurable
Output	Potential-free changeover contact. Maximum 1A/30VDC resistive
Voltage	10 to 27VDC
Current consumption: Stand by	0.3mA
Degree of protection: Plastic box PG-inlets	IP65 IP68
Cable specifications Ø (mm)	PG16 (9-14), PG13,5 (6-12)
Working temperature	-20 to +70°C
Humidity (non-condensing)	Max. 95% RH
Maintenance	None
Service	Replace if faulty
Environmental Effect	Recycle-friendly (plastic without embedded metal)
Approvals	See separate documentation

Order number	Description
BN-320/FS	Sprinkler Valve Monitoring Control Unit

Dimensions



Connections



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