

Definitions and specifications



AutroSafe system definitions

A system unit is defined as a unit which is directly connected to the local operating network; AUTROLON.

System unit capacity in the fire alarm control panel and controller:

Each fire alarm control panel or controller provides an internal power module, BSS-310 and communication module, BSL-310.

In addition to these 2 mandatory modules, each system unit can accommodate up to a maximum of 7 optional modules, and maximum 6 of these modules can be loop driver modules (According to EN-54, the maximum number of detectors and manual call points that can be connected to one system unit are 512.)

Type of loop units:

A loop unit is defined as either a point, an I/O-unit or an electronic sounder that is connected to a detection loop.

A point is defined as either a fire detector or a manual call-point.

There can be a maximum of 127 loop units per detection loop.

A maximum of 99 of these loop units can be detectors/manual call-points.

The remaining 28 loop units can be used for input and output control signals, for example fire door control and monitoring.

Reducing the number of detectors will allow the use of more I/O units.

Detectors

Detectors with dynamic filtering (DYFI+)

Automatic addressing of detectors

Short circuit isolator in each detector.

MultiSensors: BH-320, BH-520, BH-520/Ex (Com-



bine scattered light with temperature measurement)

Optical smoke detectors:
BH-300, BH-500 and
BH-500/Ex

Heat detectors: BD-300,
BD-500 and BD-500/Ex

Manual call-points

Short circuit isolator in each call-point.

Manual call-Point:
BF-300, BF-300M (De-
signed specially for mari-
time application and

installation with open cabling.) and BF-500/Ex
Ex-Barrier Unit: BZ-500

Loop interface Input/Output unit:

Short circuit isolator in each Input/Output unit.

BN-300 (1 monitored input)
BN-310 (1 relay output) and
BN-320 (2 inputs and 1 output.)

System units are communicating on a Local operating network (AUTROLON).

A maximum number of 32 system units can be connected to each AUTROLON ring.

Type of system units on AUTROLON:

Fire alarm control panel BS-310 / 320 is a complete control panel with full operating capabilities.

Operator panel BS-330: All alarm handling and system features can be controlled and monitored from this panel.

Controller BC-320. The controller serves as a connection unit for loop driver modules, I/O modules and power supply.

Repeater panel BU-320. The panel allows you to operate alarms and receive additional information related to the relevant operation zone

Information panel BV-320. The panel serves as an indication device only. It provides information related to the defined operation zone(s).