

LOCAL ALARM DELAY UNIT BN-303/LS

Interactive fire detection systems
Product datasheet

Features

- Enables delay of alarm routing to the fire brigade
- Enables temporary stop of smoke detection
- Large and user-friendly push-button
- Status indicator with 3 colours
- Discreet and simple design
- Flush mounting or on-wall mounting, fits into standard Elko boxes

Description/Application

The local alarm delay unit BN-303/LS enables delay of alarm routing outside the local area to which the unit is connected (Autroprime; 1 detection zone, AutoSafe; up to 10 detection zones), plus temporary stop of smoke detection in the local area.

The unit has been designed for use with Autronica's fire detection systems, AutoSafe (version 4.4 or newer) and Autroprime (2.1.3 or newer).

IMPORTANT:

Due to an important safety update in Autroprime version 2.1.3 the unit must not be used with Autroprime version older than 2.1.3.

The unit includes the SelfVerify function.

The unit is typically used in buildings with several apartments, student apartments, studios, office areas, etc.

Note that the local area to which the unit is connected must be configured as a *Delayed Action* detection zone or *Delayed Coincidence* detection zone, and the system must be in *Day Mode*.



It is possible to temporarily stop smoke detection, *not* heat detection.

Heat detectors and manual call points will always remain active. Smoke detection for MultiSensors will temporarily be stopped, i.e. only heat detection will function. If the automatic routing of an alarm has already been sent to the fire brigade, it will not be possible to operate the local alarm delay unit.

System	TIME1 (optical detector)	TIME1 (MultiSensor)	TIME2
Autroprime	2 min.	5 min.	30 min.
AutoSafe	30 secs. – 5 mins. (standard 2 mins.)	30 secs. – 5 mins. (standard 5 mins.)	0 – 2 hours (standard 30 mins.)

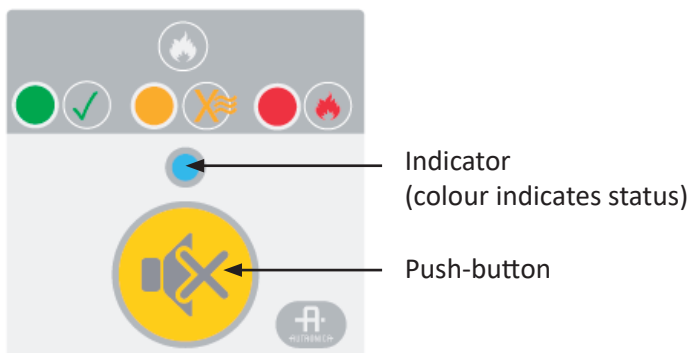
Product name	Part number	Description
BN-303/LS	116-BN-303/LS	Local alarm delay unit
	El. nr. 1471516	ELKO 18mm covering L675 for flush mounting*
	El. nr. 1471577	ELKO 33mm covering L889 for wall mounting *

* Must be ordered separately, i.e. not delivered from Autronica Fire and Security AS

Technical specifications	
Dimensions (mm)	84 x 84 x 38
Weight (g)	75
Material	Housing: ABS
Protection grade	IP32
Mounting	Wall and flush mounting Standard ELKO-boxes
Power	Power provided from the detection loop
Peak current consumption (during communication)	359µA
Average current consumption	<60µA
Temperature range - normal operation	-10 to +55 °C
Temperature range - storage	-40 to +85 °C
Humidity	10 % - 95 % RH (non-condensing)
Approvals	Meets the requirements of EN 54-18 CE
Terminal connections	Maximum 2.5 mm ²
Requirements: cables, detection loops	Ref. system specifications for AutoSafe / Autroprime
Autroprime limitations	Maximum 20 units on a detection loop (depending on current consumption) Maximum 1 detection zone per unit
AutoSafe limitations	Maximum 40 units on a detection loop (depending on current consumption) Maximum 10 detection zone per unit

Push-button and indicator

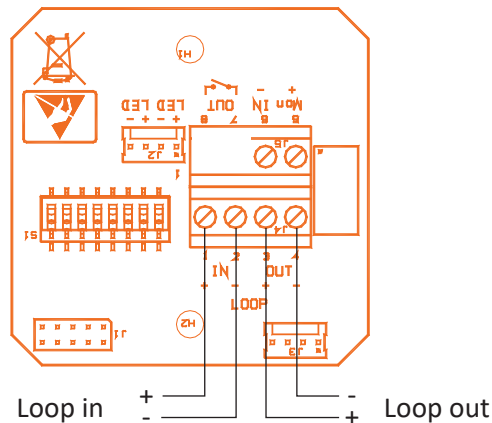
BN-303/LS is provided with a large yellow push-button and an indicator.



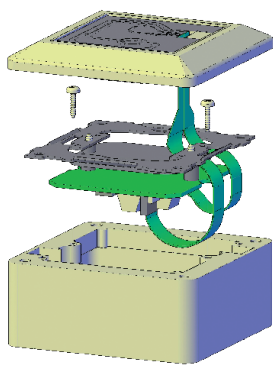
The colour on the indicator gives the current status:

- Green, pulsing every 30 seconds:
 - The unit is in normal status
 - No alarms are activated in the local area
 - Smoke detection is active in the local area
- Orange, pulsing every second
 - One or several detectors in the local area have been disconnected from the operator panel, or the yellow button has been pressed to temporarily stop smoke detection
- Red pulsing every half second:
 - One or several detectors in the local area are in alarm condition (audiovisual units have been activated in the local area)

Connection to the detection loop



Mounting



NOTE: Both mounting screws must be unscrewed before mounting

ELKO 18mm covering L675 for flush mounting *

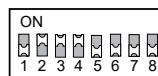
ELKO 33mm covering L889 for on-wall mounting *

* Must be ordered separately, i.e. not delivered from Autronica Security AS

If the lid is to be removed at a later point, use a small screwdriver, move the end into the slot at the bottom of the lid, and carefully bend the lid until it loosens

Switch settings

S1.1	S1.2	S1.3	S1.4	S1.5	S1.6	S1.7	S1.8
OFF	ON	ON	ON	OFF	OFF	OFF	OFF



Configuration

Both systems require that the panel is set in permanent Day Mode.

Autroprime (only 1 DZ is possible):










- From the local detection zone (DZ): connect the local alarm delay unit that is to control the DZ
- From the local DZ: connect the local alarm zone (AZ) that is to give local alarm for this DZ
- From the local DZ: connect the standard alarm zone
- Note that the LED "Reduced detection" applies to panels using software version 2.0 or later (the LED will go on if a MultiSensor uses heat detection only)

AutroSafe (up to 10 DZs are possible):

- All configuration must be performed in the AutroSafe Configuration Tool. Note that TIME1 and TIME2 are configurable.

User guide

Cut out and hang next to the unit.

 <h3>Red pulsing light</h3> <h4>An alarm is activated</h4> <p>An evacuation is to be carried out, but you have the possibility to turn off the alarm for a short period in order to investigate the area for a possible fire outbreak/smoke development</p>		
	 <p>Press 1 second</p>	 <p>Orange pulsing light</p>
<ul style="list-style-type: none"> • Investigate the area for a possible fire outbreak/smoke development • If a real and uncontrollable fire outbreak has occurred, <i>evacuate the premises immediately</i> • If there is no fire outbreak and you manage to stop a smoke development, ventilate the room with fresh air 		
 <h3>Short green pulse – normal status</h3> <p>If you intend to perform activities which likely may cause smoke development (for example, oven cooking which may cause smoke) you can in advance turn off the alarm (audio/visual) for 30 minutes</p>		
	 <p>Press 5 seconds</p>	 <p>Orange pulsing light</p>