KE-1000 SMOKE DETECTOR CONTROL PANEL
used together with NS-AOS analogue detectors
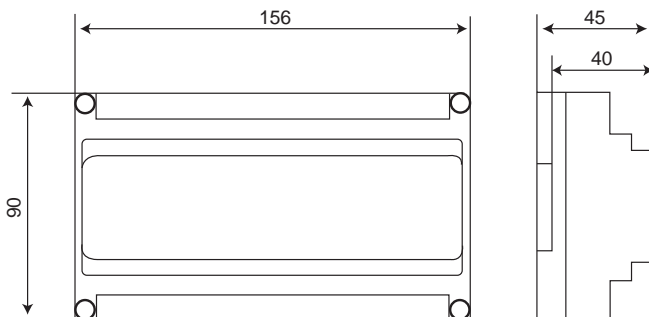
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GENERAL INFORMATION

The control panel, KE-1000, is designed for small facilities like hotels, industries, offices, etc.

Several types of detectors can be connected to the control panel, optical and ionisation smoke detectors and heat detectors.

The detectors are of analogue type, which means more reliable alarm and strong immunity against unwanted alarms from dirty detectors, trancients, insects etc.

The KE-1000 control panel is provided with a display showing the status of the detectors like, alarm address (the detector number), degree of contamination, failure, etc. The display is also used at the start up of the system. The control panel has relay outputs for control of fire doors and fans.

TECHNICAL DATA

Supply voltage:	24V AC/DC, ±15%
Current consumption	
in normal operation:	prel. 50mA
in alarm:	prel 100 mA
Material in housing:	ABS
Mountage:	DIN-rail
Weight:	Ca 450 g
Dimensions:	156x90x45 mm
Number of detectors:	Max 32 detectors can be connected
Relay output:	250VAC/8A

INSTRUCTION

Normal operation:	2 alarm relays, not activated.
	1 service alarm relay, not activated.
	1 failure relay, activated.
	Operation = the green LED is lit.
Short circuit or broken detector line:	2 alarm relays, not activated.
	1 service alarm relay, not activated.
	1 failure relay, not activated (drops).
	Operation green LED is lit.
	Failure yellow LED is lit.
Detector in service alarm:	2 alarm relays, not activated.
	1 service alarm relay, activated (blink).
	1 failure relay, activated.
	Operation green LED is lit.
	Service alarm yellow LED is lit.
	The red LED of the sensor = blink 1/2 Hz.
Detector in alarm:	2 alarm relays, activated (drops).
	1 service alarm relay, not activated.
	1 failure relay, activated.
	Operation green LED is lit.
	Alarm red LED is lit.
	The red LED of the sensor is lit.
When the reset push button is pressed:	All relays are changing and all LED:s are lit as long as the button is pressed.
When supply voltage is connected:	The failure alarm relay is activated.

DIMENSIONS
(mm)

ORDERING EXAMPLE

Item code	Designation
KE-1000	Control unit, analogue addressable smoke detectors
UG-3-NS-AOS	Optical analogue duct smoke detector, incl. VR-0.6M venturi pipe
NS-AOS	Optical analogue smoke detector

NOTE!

The detectors required for KE-1000 is analogue, addressable smoke detectors. For more information, please see data sheets for ceiling mounted NS-AOS and duct mounted UG-3-NS-AOS.

CALECTRO®

KE-1000 SMOKE DETECTOR CONTROL PANEL

used together with NS-AOS analogue detectors

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WIRING DIAGRAM

24V AC/DC Smoke detector loop

Alarm 1 Alarm 2 Failure Service

Control panel KE-1000

1	2	3		4	5
+	–			+	–
○	○	○		○	○

8	9	10		11	12	13		14	15	16		17	18	19
NC	C	NO		NC	C	NO		NC	C	NO		NC	C	NO
○	○	○		○	○	○		○	○	○		○	○	○

The relay are shown in volt free position.
Relay output max: 250VAC, 8A

NS-AOS

Romote led indication LED-03.
Cable length max 3 m.

Analogue detector
1

6

1

Manual call point
NS-ACP

NS-AOS

Romote led indication LED-03.
Cable length max 3 m.

Analogue detector
N