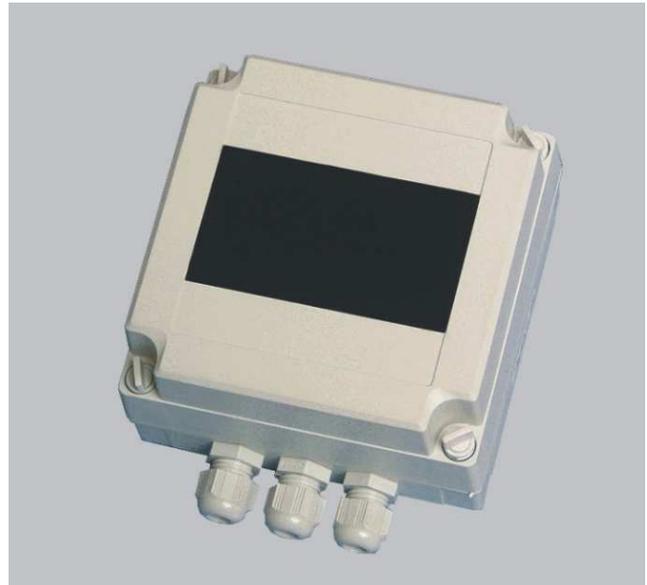


MHG 662

Linear Smoke Detector

The Linear Smoke Detector MHG 662 is intended for the automatic fire signalling as a smoke detector of the addressable or the non-addressable Fire Detection and Fire Alarm System LITES.



It is intended to indicate a rising fire on the principle of reducing the infrared ray trough smoke particles. It is placed at locations of anticipated smoke occurrence and concentration. It is manufactured in a reflex version.

Interactive Linear smoke detector MHG 662 in a reflex version is intended for up to 100m, it consists of transmitter and receiver on a printed circuit board, which is along with the optical system placed in a plastic box with a window for the infrared beam. The beam is reflected by a proper number of reflex glasses 6XV 825 112.

The detector can work in these modes:

- non-addressable with voltage characteristic (a)
- non-addressable with current characteristic (b)
- interactive (c)

In accordance with the receiver mode it is possible to connect the detector to the C.I.E.'s MHU 102, MHU 103, MHU 105, MHU 106, MHU 108, MHU 113, MHU 109, MHU 110/111, MHU 115 and MHU 116/117. At the detector connection to the C.I.E. MHU 109 in the (c)-mode the pre-alarm cannot be used and the dustiness is displayed as a loss of address. As parallel signalling is used the Remote light indicator MHS 409, MHS 408 (MHS 407, MHS 405) or the Indicating preparation MHY 737, which also serves to setting and control of the detector.

The detector is not intended for use in risk of explosion. The detector fulfils European standard EN 54-12.

Technical specifications

Power supply (c) (a), (b)	Addressable C.I.E.'s (16 ÷ 24) Vss
Power take-off if inactive	max. 300 µA (pursuant to the range)
Power take-off at fire alarm (a) (b)	max. 100 mA (limited by the C.I.E.) 20 ⁺¹ ₋₅ mA
Voltage at fire alarm (a)	(6 ÷ 8) V
Reaction time, adjustable* (a), (b)	c. 5 s, 30 s
Sensitivity, adjustable* (a), (b)	20, 29, 40 and 60 % radiation absorption through smoke
Optical signalling	red LED in Indicating Preparation & receiver (only by removed covering)
Parallel signalling	type LITES
Range	(10 ÷ 100) m
Protected area	(max. 100 × 14) m
Testing procedure	by means of a reducing shutter
Cross-section of connectable wires	(0,2 ÷ 1,5) mm ²
Protection according to ČSN EN 60529	IP 54

Radio screening degree according to ČSN EN 55 022	B-class equipment
Dimensions MHG 662 Reflex glass 6XV 825 112	130 × 130 × 75 mm 140 × 140 mm
Weight	750g
Safety requirements	Detector is intended for operation with safe equipment in sense of ČSN EN 60950

*If the detector is set as an interactive one (c), it is possible to adjust its sensitivity in eight degrees, its reaction time in four degrees and its watching of dusty in three degrees, or make the watching of dusty inactive. Herewith the pre-alert can be adjusted in up to eight degrees, its sensitivity must be always higher then the alarm sensitivity (only the C.I.E.'s MHU 110/111 and MHU 115 evaluate the pre-alarm).

The adjustable characteristics can be set either into the configuration program and recorded to the detector through an analogue C.I.E., or they can be programmed right by means of the preparation MHY 535.

Working conditions

The Linear Smoke Detector MHG 662 is intended for the interior of objects without occurrence of aggressive substances, and for places where its protection and climatic immunity conform, and where sudden temperature changes leading to dew and ice accretion don't occur.	
Working temperature range	-25°C ÷ +70°C
Relative humidity	max. 95% at +40°C
Atmospheric pressure	(66 ÷ 106) kPa

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