



R970

Scattered-light smoke detector



collective MS7, MS9, addressable MS9i

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- **Balanced response behavior and wide range of applications**
 - **High reliability and stability through new, high-quality optoelectronic sensor system**
 - **Two stages of sensitivity**
 - **High resistance to**
 - electromagnetic interference
 - humidity and corrosion
 - **Compatible with collective MS7/9 and addressable MS9i fire detection systems**
 - **Bayonet fitting for connection to base simplifies detector replacement**

Characteristics

The R970 scattered-light smoke detector is eminently suited to early detection of smoldering fires, but it also quickly detects flaming fires that produce smoke. The newly developed, high-quality optoelectronic system ensures a homogenous response behavior across a wide smoke spectrum.

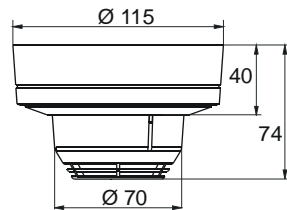
Design

The built-in alarm indicator (red LED) serves as a local status indicator. Two external alarm indicators can be connected to the base.

The detector bases of the MS7/9 installed on the ceiling are connected to the control unit via a two-wire line.

The detector is secured in the base with a vibration-proof bayonet fitting. Detectors can be inserted and removed efficiently by means of the MEA7.1 detector extractor and testing by means of the RE6 tested unit up to a ceiling height of 7 m.

Dimension detector with base



Technical data

Operating voltage	16... 26 VDC
Operating current (quiescent)	≤100 μA
Operating temperature	-25... +60 °C
Storage temperature	-30... +75 °C
Humidity	≤95 % rel. (no condensation)
Protection category IEC60529	IP44
Color	white, ~RAL9010
Connection factor	collective (KMK) 1
	MS9i 1
Standards	EN54-7
Approvals	
- VdS	G200018
- AFNOR	L 040 C0

Details for ordering

Type	Part no	Designation	Weight
R970	BPZ:5360080001	Scattered-light smoke detector	0.115 kg

R970 - Point type smoke detector for use in fire detection and fire alarm systems installed in buildings.

305/2011/EU (CPR): EN 54-7 ; 2014/30/EU (EMC): EN 50130-4 / EN 61000-6-3

The declared performance and conformity can be seen in the Declaration of Performance (DoP) and the EU Declaration of Conformity (DoC), which is obtainable via the Customer Support Center: Tel. +49 89 9221-8000 or <http://siemens.com/bt/download>

DoP No.: 0786-CPR-20025; DoC No.: CED-R970