

# Installation Manual

## Functional description & components

### Function

At installation indoors, inside the rack etc., sensor monitors occurrence of smoke, temperature and humidity inside the building. Daisy chain sensor, max. distance from the monitoring unit is 150 meters.

### Components

The unit consists of a compact plastic housing with ventilation holes.

## Safety instructions

- Please observe the valid regulations for installation in the country in which the smoke alarm is installed and operated, and the national regulations for accident prevention. Please also observe any internal company regulations, such as work, operating and safety regulations.
- The technical specifications and limit values stated must not be exceeded under any circumstances. In particular, this applies to the specified ambient temperature range and IP protection category.
- If a higher IP protection category is required for a special application, the smoke alarm must be installed in an appropriate housing or in an appropriate enclosure with the required IP protection category.

## Siting location requirements

To ensure proper functioning of the unit, the conditions for the installation site of the unit specified in section "Technical specifications" must be observed.

### Electromagnetic interference

Interfering electrical installations (high frequency) should be avoided.

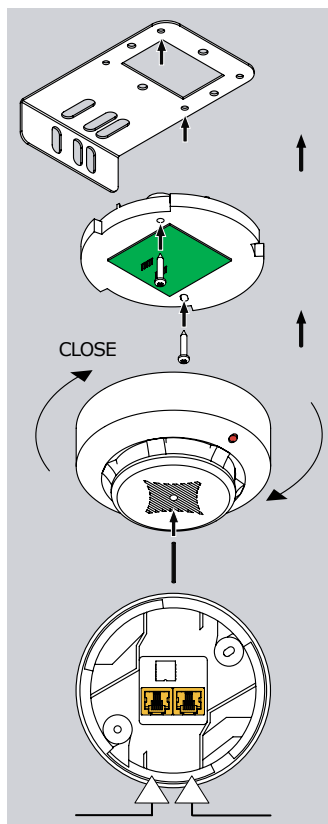
## Installation procedure

### Notes on assembly

- It is vital to ensure that the smoke alarm is always assembled with the sensor head pointing downwards. In any other position, there is no guarantee that smoke will be detected.
- The smoke alarm must also be positioned so that it is ventilated with an adequate amount of air and the ventilation slots are not covered.

### Installation with the mounting plate provided

The smoke alarm is installed using the mounting plate provided.



- Uncover the smoke detector head from the base.
- Attach smoke sensor base to the mounting plate using the M4 x 10 screws provided.
- Replace the sensor head onto the base and secure it by twisting until it locks home.
- Secure the mounting plate to the enclosure frame using the 4.8 x 19 screws.
- Remove the red protective cap!

## Connecting smoke sensor

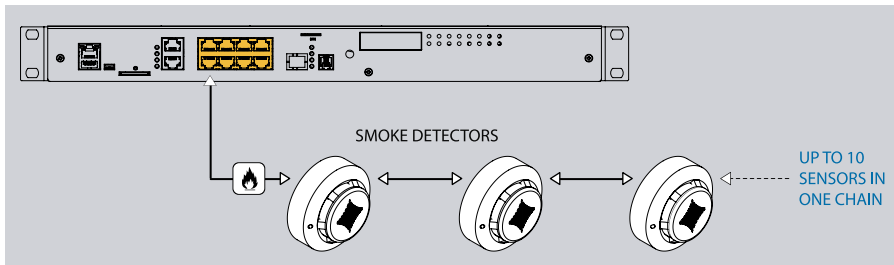
Connect one end of RJ11 / RJ12 cable to monitoring unit and the other end to any of the two inputs of smoke sensor. It is possible to connect up to 10 sensors on one analog port. To do so connect new RJ11 cable to a free input of already connected smoke sensor and the other end to a next smoke sensor in a chain. See picture below. RJ11 or RJ12 cable pinouts can be found on a picture below. After system will start and sense smoke detector, LED on the smoke detector will blink dimly once a second.

## Testing the smoke sensors

During system operation, take a needle or paper clip and insert it into the hole in the cover of the sensor, try to move it there until blinking dimly LED will flash brightly. That means that sensor is in good state. After inspection, return the sensor /s to normal state. To do this, either disconnect them from the system, or in a system interface, go to smoke sensors tab, and restart them.

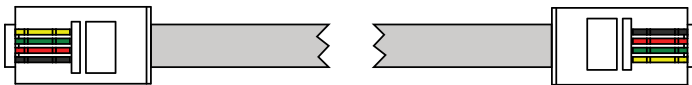
## Technical specifications

Dimensions	Ø100×45 mm
Weight	290 g
Inputs	2 x RJ-12
Operating temperature	Min. -10° C, Max.80° C
Operating humidity	Min. 5% - Max. 95% (Non-Condensing)
Gateway	100 mW
Status Indicators	Red LED
Max. distance	150 m



### RJ11 (6p4c)

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RJ11	Pins	Conductor	
1	GND	Black	
2	+12V	Red	
3	Auto/NC	Green	
4	Input	Yellow	

