

# Supercom 327

## Radio Module for Ei Electronics® smoke alarms



### Application

The radio module **Supercom 327** enables distant check of installed smoke alarms, and thereby could save costly inspections. The radio module is suitable for the following Ei Electronics® smoke alarm:

- Ei650FA

Thanks to the unidirectional radio system Wireless M-Bus (OMS), it is possible to readout the stored data in the radio module via a mobile radio modem or via a radio concentrator. The radio module can be retrofitted at any time without impairing the functioning of the smoke alarm.

### Function

The battery-operated radio module **Supercom 327**, plugged into an Ei Electronics smoke alarm, stores status information of the smoke alarm. The stored data can be read out via the unidirectional radio communication Wireless M-Bus (OMS) within the reception area of the readout device.

### Parametrisation

Following parameters can be parametrised Ex Works:

- Date and time
- Password
- Automatic self-test (date and time of the event)
- Radio transmission interval and radio transmission calendar
- Commissioning (automatic or by button)
- AES-128 encryption

### Readout

Following parameters can be read out by radio with the software Tools Supercom:

- Smoke events (number and date of the last event)
- Battery status, dust level and sensor status
- Head removals (number, duration and date of the last event)
- Button tests (number and date of the last event)
- Date of the last self-test
- Date and time
- Commissioning date
- Module removals (number, duration and date of the last event)

### Operating Mode

The radio module **Supercom 327** sends the data of the smoke alarm every 120 seconds (minimum), 12 hours a day, and 7 days a week.

## Technical Data

### General

Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to 60 °C
Humidity range	15 % to 95 % RH non condensing

### Radio

Frequency	868.95 MHz
Output power	max. 12.5 mW
Encryption	AES-128
Transmission standard	EN 13757-4, mode T1
OMS (Open Metering System)	acc. to OMS generation 4, mode 5

### Conformity



acc. to RED 2014/53/EU

### Data Memory

Flash memory	non-volatile storage
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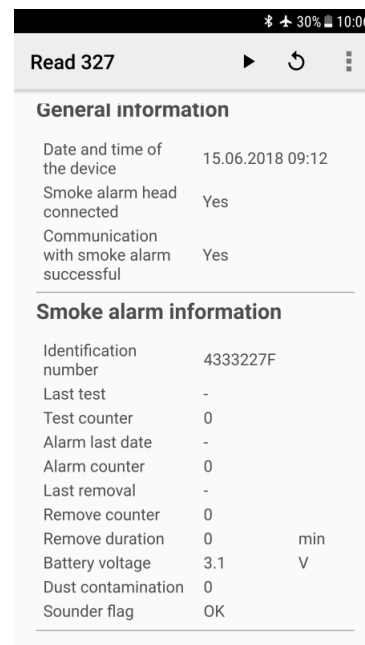
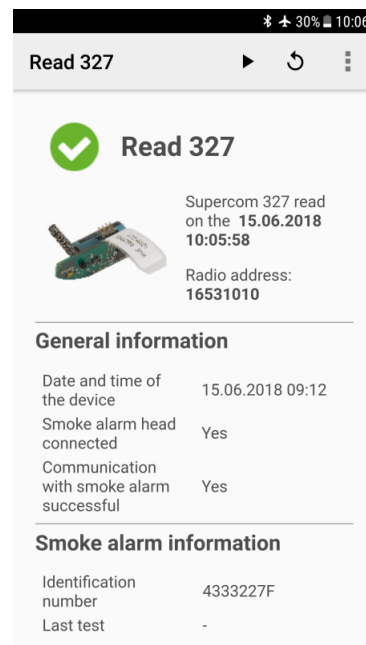
### Power Supply

Main supply	3 V lithium battery
Lifespan	typically 10 + 1 years

### Dimensions

Radio module	58.8 mm x 29.85 mm x 34 mm
Smoke alarm	115 mm (D) x 50 mm (H)

### Readout Example



### Technical Support

For technical support, please contact your local Sontex agent or Sontex SA directly.

### Sontex Hotline

[sontex@sontex.ch](mailto:sontex@sontex.ch), +41 32 488 30 04

Specifications are subject to change without notice.

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