

ARGUS Smoke Detectors

The next generation

Safety and security electronics



Schneider
Electric



Powerful new functions

The new ARGUS Smoke Detectors have additional functions which have been specially optimised for different areas of application. All models have features such as pollution compensation, self-test of smoke detection, and the hush function.



Pollution compensation

Over the years, more and more foreign particles enter the smoke chamber, where they can impair the functioning of the detector. To prevent false alarms, the smoke detector automatically adjusts its alarm threshold accordingly.



Hush function

In some situations, a lot of smoke or dust will be expected. The push of a button switches the smoke detection function to hush mode for approximately 9 minutes, preventing any undesired alarm.



Alarm memory

The alarm memory indicates whether an alarm was triggered in your absence. With the alarms being saved for 24 hours, the function provides enough time to identify the cause and to react accordingly.



Self-test of smoke detection

Regular self-tests of the smoke detection function provide protection from an unnoticed failure. If a fault occurs during the test, the smoke detector will indicate it with both an acoustic and a visual signal.



Low battery signal

When the service life of the battery has been exceeded, the smoke detector issues a regular alarm tone at least 30 days before failure allowing a replacement in time. For the ARGUS Basic the alarm tone can be muted temporarily using the snooze function. The ARGUS Advanced and Radio feature a suppressed mode which can be activated 3x for 8 hours each.



Radio networking

The ARGUS Radio Smoke Detectors can be connected easily via interference-free radio frequency. If a smoke detector triggers an alarm it will forward the signal to all the other detectors in its network, which will then issue an alarm as well. This ensures that all persons in the apartment or house will be warned in good time.



- | | |
|-------------------------|---------------------------------------|
| 1. Dust protection foil | 5. Pollution compensation |
| 2. Mounting base | 6. Smoke chamber with protection grid |
| 3. 10-year battery | 7. Dust protection grid |
| 4. LED function button | |

ARGUS smoke detector



ARGUS Smoke Detector Single



Version

Art. no.

carton, polar white

MTN5470-2119

Battery-powered smoke detector for early detection of smouldering fires and open fires with development of smoke indoors.

The power supply is from a permanently installed lithium battery that has a service life of at least 10 years.

The smoke detectors function according to the light scattering principle (Tyndall effect) and detect smoke particles in the ambient air. If there is an excessive concentration, they signal an alarm for the people present in the form of a loud alarm tone (approx. 85 dB(A)) and LED signal.

ARGUS smoke detectors with Q-Label!

Q-Label tested according to vfdb Directive 14-01 for use according to DIN 14676.

Surface-mounted installation with screws

A dust-protection foil protects the smoke detector against drilling dust after installation.

Functions:

- Function button: Activating functions, functional test
- LED and signal tones: Display of alarms, status and malfunctions
- Hush function: Manual increase in the response sensitivity (to avoid triggering an alarm when smoke or dust is expected to be created).
- Self-test of smoke detection: regular self-test of the smoke chamber with error display
- Pollution compensation: Control of the response threshold to avoid false alarms
- Battery failure signal: warning before end of battery life

Functional principle: Scattered light (Tyndall effect)

Detection type: smoke

Response sensitivity: according to EN 14604

Power supply: Lithium battery

Battery life: 10 years

Device service life: 10 years

Battery failure signal: min. 30 days, every 45 seconds

Loudness of signalling device: 85 dB(A) at 3 m distance

Optical display: red LED

Operating temperature: 0 °C to +60 °C

Dimensions (with mounting base): 112x49 mm (Ø x H)

Accessories: Sealing pin for ARGUS smoke detector MTN547000

Contents: Screws and plugs.

Mounting base.

Dust-protection foil.

Language: English.

French.

Spanish.

Portuguese.

Dutch.

Czech.

Slovak.

Hungarian.



ARGUS Smoke Detector Basic



Version

Art. no.

carton, polar white

MTN5471-2119

Battery-powered smoke detector for early detection of smouldering fires and open fires with development of smoke indoors.

- Wire networking by separate twin-core line (SELV)

In networked smoke detectors, the smoke detector that detects smoke activates an alarm (local alarm) and forwards the alarm signal to all smoke detectors in the network which then also activate an alarm (remote alarm).

The power supply is from a permanently installed lithium battery that has a service life of at least 10 years.

The smoke detectors function according to the light scattering principle (Tyndall effect) and detect smoke particles in the ambient air. If there is an excessive concentration, they signal an alarm for the people present in the form of a loud alarm tone (approx. 85 dB(A)) and LED signal.

ARGUS smoke detectors with Q-Label!

Q-Label tested according to vfdb Directive 14-01 for use according to DIN 14676.

Surface-mounted installation with screws

A dust-protection foil protects the smoke detector against drilling dust after installation.

Functions:

- Function button: Activating functions, functional test
- LED and signal tones: Display of alarms, status and malfunctions
- Hush function: Manual increase in the response sensitivity (to avoid triggering an alarm when smoke or dust is expected to be created).
- Self-test of smoke detection: regular self-test of the smoke chamber with error display
- Pollution compensation: Control of the response threshold to avoid false alarms
- Battery failure signal: advance warning before the end of the battery life, can be suppressed manually for 8 hours
- Alarm memory: Storing a local alarm and display via LED

Functional principle: Scattered light (Tyndall effect)

Detection type: smoke

Response sensitivity: according to EN 14604

Power supply: Lithium battery

Battery life: 10 years

Device service life: 10 years

Battery failure signal: min. 30 days, every 45 seconds

Loudness of signalling device: 85 dB(A) at 3 m distance

Optical display: red/yellow LED

Networking: max. 40 smoke detectors

- Cable: e.g. J-Y(St)Y 2x2x0.8 mm
- Cable length total: max. 500 m
- Cable length between two smoke detectors: max. 25 m

Operating temperature: 0 °C to +60 °C

Dimensions (with mounting base): 112x49 mm (Ø x H)

Accessories: Sealing pin for ARGUS smoke detector MTN547000

Note: It is also possible to network with existing ARGUS Connect smoke detectors by wire. With pipe cabling systems a gasket must be installed on site between the ceiling and the smoke detector.

Contents: Screws and plugs.

Mounting base.

Dust-protection foil.

Language: English.

French.

Spanish.

Portuguese.

Dutch.

Czech.

Slovak.

Hungarian.



ARGUS Smoke Detector Duo



Version	Art. no.
carton, polar white	MTN5472-2119

Battery-powered smoke detector for early detection of smouldering fires and open fires with development of smoke indoors.

- Wire networking by separate twin-core line (SELV)

In networked smoke detectors, the smoke detector that detects smoke activates an alarm (local alarm) and forwards the alarm signal to all smoke detectors in the network which then also activate an alarm (remote alarm).

The power supply is from a permanently installed lithium battery that has a service life of at least 10 years.

The smoke detectors function according to the light scattering principle (Tyndall effect) and detect smoke particles in the ambient air. If there is an excessive concentration, they signal an alarm for the people present in the form of a loud alarm tone (approx. 85 dB(A)) and LED signal.

ARGUS smoke detectors with Q-Label!

Q-Label tested according to vfdb Directive 14-01 for use according to DIN 14676.

Surface-mounted installation with screws

A dust-protection foil protects the smoke detector against drilling dust after installation.

Functions:

- Function button: Activating functions, functional test
- LED and signal tones: Display of alarms, status and malfunctions
- Hush function: Manual increase in the response sensitivity (to avoid triggering an alarm when smoke or dust is expected to be created).
- Self-test of smoke detection: regular self-test of the smoke chamber with error display
- Pollution compensation: Control of the response threshold to avoid false alarms
- Battery failure signal: advance warning before the end of the battery life, is initially suppressed automatically for 3x8 hours
- Alarm memory: Storing a local alarm and display via LED
- Heat detection: Fire detection by increase in heat (in hush mode)

Functional principle: Scattered light (Tyndall effect)

Detection type: Smoke or heat

Response sensitivity: according to EN 14604

Power supply: Lithium battery

Battery life: 10 years

Device service life: 10 years

Battery failure signal: min. 30 days, every 45 seconds

Loudness of signalling device: 85 dB(A) at 3 m distance

Optical display: red/yellow LED

Networking: max. 40 smoke detectors

- Cable: e.g. J-Y(St)Y 2x2x0.8 mm
- Cable length total: max. 500 m
- Cable length between two smoke detectors: max. 25 m

Operating temperature: 0 °C to +60 °C

Dimensions (with mounting base): 112x49 mm (Ø x H)

Accessories: Sealing pin for ARGUS smoke detector MTN547000

Note: It is also possible to network with existing ARGUS Connect smoke detectors by wire. With pipe cabling systems a gasket must be installed on site between the ceiling and the smoke detector.

Contents: Screws and plugs.

Mounting base.

Dust-protection foil.

Language: English.

French.

Spanish.

Portuguese.

Dutch.

Czech.

Slovak.

Hungarian.



ARGUS Smoke Detector RF Duo



Version	Art. no.
carton, polar white	MTN5480-1119
carton, aluminium	MTN5480-1160

Battery-powered radio smoke detector for early detection of smouldering fires and open fires with development of smoke indoors.

- Radio networking with integrated radio module
- Wire networking by separate twin-core line (SELV)

In networked smoke detectors, the smoke detector that detects smoke activates an alarm (local alarm) and forwards the alarm signal to all smoke detectors in the network which then also activate an alarm (remote alarm).

The power supply is from a permanently installed lithium battery that has a service life of at least 10 years.

The smoke detectors function according to the light scattering principle (Tyndall effect) and detect smoke particles in the ambient air. If there is an excessive concentration, they signal an alarm for the people present in the form of a loud alarm tone (approx. 85 dB(A)) and LED signal.

ARGUS smoke detectors with Q-Label!

Q-Label tested according to vfdb Directive 14-01 for use according to DIN 14676.

Surface-mounted installation with screws

A dust-protection foil protects the smoke detector against drilling dust after installation.

Functions:

- Function button: Activating functions, functional test
- LED and signal tones: Display of alarms, status and malfunctions
- Hush function: Manual increase in the response sensitivity (to avoid triggering an alarm when smoke or dust is expected to be created).
- Self-test of smoke detection: regular self-test of the smoke chamber with error display
- Pollution compensation: Control of the response threshold to avoid false alarms
- Battery failure signal: advance warning before the end of the battery life, is initially suppressed automatically for 3x8 hours
- Alarm memory: Storing a local alarm and display via LED

Functional principle: Scattered light (Tyndall effect)

Detection type: Smoke or heat

Response sensitivity: according to EN 14604

Power supply: Lithium battery

Battery life: 10 years

Device service life: 10 years

Battery failure signal: min. 30 days, every 45 seconds

Loudness of signalling device: 85 dB(A) at 3 m distance

Optical display: red/yellow LED

Networking: max. 40 smoke detectors

- Cable: e.g. J-Y(St)Y 2x2x0.8 mm
- Cable length total: max. 500 m
- Cable length between two smoke detectors: max. 25 m
- Radio frequency: 868 MHz
- Radio range: max. 30 m indoors, max. 100 m outdoors
- Radio operating elements: DIP switch for addressing/grouping

Operating temperature: 0 °C to +60 °C

Dimensions (with mounting base): 112x49 mm (Ø x H)

Accessories: Sealing pin for ARGUS smoke detector MTN547000

System relay FM for ARGUS Smoke Detectors MTN5493-3190

Note: It is also possible to network with existing ARGUS Connect smoke detectors wirelessly or by wire.

With pipe cabling systems a gasket must be installed on site between the ceiling and the smoke detector.

Contents: Screws and plugs.

Mounting base.

Dust-protection foil.

Language: English.

French.

Spanish.

Portuguese.

Dutch.

Czech.

Slovak.

Hungarian.

Accessories



Sealing pin for ARGUS smoke detector



Version	Art. no.
black	MTN547000

For direct display of smoke detector manipulation. When the smoke detector is removed, a sealing pin inserted into the mounting base breaks.

To be completed with: ARGUS Smoke Detector Single MTN5470-2119
ARGUS Smoke Detector Basic MTN5471-2119
ARGUS Smoke Detector Duo MTN5472-2119
ARGUS Smoke Detector RF Duo MTN5480-1119/-1160
ARGUS smoke detector Connect MTN548020/61
ARGUS smoke detector Connect 230 V MTN548520/61
ARGUS smoke detector 230 V MTN547520/61
ARGUS smoke detector Basic MTN547020
ARGUS smoke detector Basic Longlife MTN547120

Contents: 1 PU = 50 sealing pins



System relay FM for ARGUS Smoke Detectors



Version	Art. no.
	MTN5493-3190

The relay is connected to ARGUS smoke detectors and thus acts to forward a smoke alarm to external alarm devices. Depending on the smoke detector, this must be connected either via a separate core in the 230V mains network or per radio.

The relay is powered with mains voltage and has a floating make contact for the external alarm device. You can connect for example the following alarm devices: horns, warning lights, vibration cushions for the deaf, or KNX binary inputs. These devices must have their own power supply.

Suitable for installation in a size 60 installation box.

Supply voltage: AC 230 V
Contact type: Make contact, floating (SELV)
Switching current: AC 230 V, μ 4 A / DC 24 V, μ 2 A
Connecting terminals: for 2.5 mm²
Dimensions: 44 x 50 x 34 mm (WxHxD)

To be completed with: ARGUS Smoke Detector RF Duo MTN5480-1119/-1160
ARGUS smoke detector Connect MTN548020/61
ARGUS smoke detector Connect 230 V MTN548520/61
ARGUS smoke detector 230 V MTN547520/61

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