

Cleaning Kit ASD

Technical Documentation



Manufacturer:

SECURITON GmbH
Von-Drais-Straße 33
77855 Achern, Germany
www.securiton.de

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This document is intended for trained specialists for mounting, installation, commissioning and maintenance of the product.



HINWEIS

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Validity	n	Notice on the validity of translations	Adaptation to GL product documentation
1.1	n	Intended Use	Adaptation to GL product documentation
8	c	Article numbers	ASD

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1 General

1.1 Intended Use



Intended Use: Fire safety

NOTICE

1.2 Safety and the environment

Provided the product is deployed by trained and qualified personnel in accordance with this document, and provided the safety symbols all notices are observed, there is no danger to persons or property under normal conditions and when used properly. The product fulfils the requirements ensuring personal safety and environmental protection during operation. National and state-specific laws, regulations and directives must be observed and adhered to in all cases.

Observe these danger notices. They help prevent accidents and damage.

1.2.1 Notice and warning symbols

The following notice and warning symbols are used to draw attention to hazards and special properties.



DANGER

The product may represent an immediate danger with a high level of risk to persons if the notice is not duly observed. If the danger is not avoided, death or serious injury may result.



WARNING

The product may represent a possibly imminent danger with a medium level of risk to persons if the notice is not duly observed. If the danger is not avoided, death or serious injury may result.



CAUTION

The product may represent a possibly imminent danger with a low level of risk to persons if the notice is not duly observed. If the danger is not avoided, a minor injury may result.



NOTICE

If this notice is not observed, the product may malfunction, may cause property damage, or may be harmful to the environment.

1.2.2 Safety information



ELECTRICAL SHOCK

The product is operated with electrical current. In the event of incorrect mounting, installation, commissioning or maintenance, an electrical shock may be life-threatening or there is the danger of serious injury. It is imperative that the safety information is observed.



READ THE USER INSTRUCTIONS

To ensure safe and proper use, it is absolutely necessary to read the instructions and other documentation accompanying the product before use and to keep such documentation at hand for later reference. It is imperative that the danger information in particular is observed.



ELECTROSTATIC DISCHARGE

The product includes electronic components that are sensitive to electrostatic discharge (ESD). Contact with persons or objects can cause an electrostatic discharge that damages or destroys the product. ESD bands for preventing electrostatic discharge are used for grounding persons and for equipotential bonding.

1.2.3 Regulation EC No. 1907/2006 (REACH)



REGULATION EC NO. 1907/2006 (REACH)

General note: Declaration on the Regulation EC No. 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

If the products contain substances from the candidate list in a concentration of >0.1% in accordance with Article 33 of Regulation (EC) No. 1907/2006 (REACH) and with regard to the associated safe handling, please visit the following website: <https://www.securiton.de/>.

1.2.4 Disposal



Electrical and electronic devices and batteries

It is not permitted to dispose of electrical and electronic devices or batteries in the domestic rubbish. As the end user you are legally obliged to return them. Used electrical and electronic devices as well as batteries can be returned to the seller or taken to a designated recycling centre (e.g. a community collection point or dealer) at no cost.



RECYCLING

The product and its components including their packaging consist of recyclable material and can be disposed of for recycling purposes as described in this document.



1.1 Product identification



NOTICE

The rating plates, type designations and/or identifications on devices and printed circuit boards must not be removed, written over or defaced in any way.

1.2 Guarantee



NOTICE

The product may be operated only with the hardware, software and commissioning media designated and delivered by the manufacturer. Any unauthorised intervention in the hardware and/or software or the use of non-system products is prohibited and may result in malfunctions and/or damage to the product. If this is not observed, all guarantee and warranty rights with respect to the manufacturer of the product will become null and void. Further, non-observance of the user instructions as well as improper maintenance and repair work void the guarantee and product liability.

1.3 Product changes



NOTICE

It is always recommended to use the latest version of the product software. A change to hardware or software of a product made by the manufacturer, is not a right to an update for existing products.

2 Application area

The cleaning kit ASD is generally used for servicing and maintenance work on aspirating smoke detectors. It is used for cleaning suction pipes that can be blown out and aspirated at high power. Adaptation to the respective suction pipes is possible with the supplied accessory materials.

3 Construction

The cleaning kit ASD is a very high-power electric compressor. It is used for cleaning the suction pipes of aspirating smoke detectors. Cleaning can be carried out either by blowing out or aspiration. An adapter is supplied for vacuuming the suction pipe (or clean rooms) which is fixed towards the blow-through side without problem. Vacuuming is then carried out using the accessory components also supplied for blowing out.

4 Function

The cleaning kit can be used as an alternative to conventional compressors for servicing and maintenance work. Its low weight and small construction mean it can be easily used even in installation locations of the aspirating smoke detector that are difficult to access.

Connection to the respective suction pipes is possible using the accessory material. For this, we recommend connecting the cleaning kit to the suction pipe via the 3-way ball cock for the cleaning process.

Advantages of the cleaning kit ASD:

- Electrical compressor with a very high power
- Blowing out and vacuuming of suction pipes
- Low weight and small construction
- Portable, incl. carrier strap
- Includes all accessory parts for adaptation to the respective suction pipes

5 Functional description

Both blowing out and sucking out the suction line can lead to the desired result. This can differ from object to object with regard to the actual amount of dirt / dust. It makes sense to test this out on site according to the ambient conditions. A combination of both is often useful.

5.1 Process

- Before cleaning work, the aspirating smoke detector must be brought into revision mode
- Checking the air flow monitoring of the respective sampling pipe of the aspirating smoke detector (actual air flow value)
- Cleaning the accessory components, for example the filter box, dust and retaining box, water retaining box, etc. Checking or visual inspection of the filter element used (this may have to be replaced)
- If there is a lot of dust and soiling in the monitored area, the AFU 35 fan of the aspirating smoke detector must also be cleaned
- Cleaning of the "insect screen" located in the respective smoke sensor chamber
- Cleaning the air flow sensor AFS 35 (CAUTION when removing, as sensitive component)
- Check the current contamination of the respective smoke sensor by means of the programming software "ASD Config" (if necessary, it must be replaced or at the latest after 8 years of operation in accordance with DIN14675)
- Decision of the service technician whether blowing out or suction should be carried out
- Adaptation of the cleaning kit ASD to the existing sampling pipe using the supplied accessories
- Execution of the blow-out process for min. 30 sec to 60 sec
- Carrying out the suction process for min. 60 sec
- After the cleaning measures, the actual air flow value of the respective sampling pipe must be checked again; this should be almost 100% again (air flow target value)
- If the airflow setpoint has not achieved the desired result, the work must be carried out again

6 Accessories

- Two adapting tubes for connection to the sampling pipe
- 1 connection piece with 2 PVC screw connections
- Optional transport case for cleaning kit



Fig. 1 Transport case for cleaning kit ASD

7 Maintenance / Service



NOTICE

Maintenance and service work on fire alarm systems are subject in part to country-specific laws and directives.

Maintenance and service work may be performed only by persons trained and authorised by the manufacturer of the aspirating smoke detector.

The technical documentation of the respective aspirating smoke detector must always be considered.



NOTICE

When carrying out maintenance work on the aspirating smoke detector, the filter mat should be replaced for the filter box "small", if necessary, and contamination within the filter box should be removed.

8 Article numbers

Abbreviated designation		Art. no. SECURITON
Aspirating smoke detector ASD 535-1	ASD 535-1	11-2000015-01-xx
Aspirating smoke detector ASD 535-2	ASD 535-2	11-2000016-01-xx
Aspirating smoke detector ASD 535-3	ASD 535-3	11-2000017-01-xx
Aspirating smoke detector ASD 535-3 HD	ASD 535-3 HD	11-2000036-01-xx
Aspirating smoke detector ASD 535-4	ASD 535-4	11-2000018-01-xx
Aspirating smoke detector ASD 535-4 HD	ASD 535-4 HD	11-2000037-01-xx
Smoke sensor SSD 535-1	SSD 535-1	11-2000008-01-xx
Smoke sensor SSD 535-1-CP	SSD 535-1-CP	11-2000011-01-xx
Smoke sensor SSD 535-2	SSD 535-2	11-2000009-01-xx
Smoke sensor SSD 535-2-CP	SSD 535-2-CP	11-2000012-01-xx
Smoke sensor SSD 535-3	SSD 535-3	11-2000010-01-xx
Smoke sensor SSD 535-3-CP	SSD 535-3-CP	11-2000013-01-xx
Aspirating smoke detector ASD 532	ASD 532	11-2000003-01-xx
Smoke sensor SSD 532-1	SSD 532-1	11-2000004-01-xx
Smoke sensor SSD 532-2	SSD 532-2	11-2000004-02-xx
Smoke sensor SSD 532-3	SSD 532-3	11-2000004-03-xx
Cleaning Kit ASD	ASD RK	50-0500062-01-xx
Transport case for cleaning kit	ASD RK-Case	50-0500095-01-xx

9 Technical data

Features	
Supply voltage	230 VAC
Power consumption	1100 W
Compressed air capacity	
• Air volume"	approx. 1500 l/minr
• Operating pressure	approx 230 mbar
Weight (without accessories)	approx. 3400 g
Approval (not relevant for approval!)	

10 List of figures

Fig. 1 Transport case for cleaning kit ASD14