

SMOKE DAMPER DKIR1 and DKIS1

Resistance class $E_{600} 120 (v_{ed} i \leftrightarrow o)$ $S500C_{10000}$ AA single or $E_{600} 120 (v_{ed} i \leftrightarrow o)$ $S1500C_{10000}$ AA single



12  1396

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Smoke damper:

- cycling 200 cycles - passes

Fire resistance:

$E_{600} 120 (v_{ed} i \leftrightarrow o)$ $S500C_{10000}$ AA single or
 $E_{600} 120 (v_{ed} i \leftrightarrow o)$ $S1500C_{10000}$ AA single
(see the page 3)

- mainten. of t. cross section (under E)
- integrity E 600°C
- smoke leakage S 500 Pa and 1500 Pa
- mechanical stability (under E)
- cross section (under E)

Durability of operational reliability:

open and closing cycle Pass

Installation manual download
EN



Smoke damper is a component of SHEVS (smoke and heat exhaust ventilation systems) and has two safety positions:

1. open - to enable exhaust of heat and smoke via special fan from fire compartment in which occur fire accident or
2. closed - to stop the spread of heat and smoke to the fire compartment without fire.

Type of the smoke damper, class of the fire resistivity and production date are mentioned on the label glued on the smoke damper.

EVERY SMOKE DAMPER MUST BE INSTALLED IN ACCORDANCE WITH INSTALLATION MANUAL!

The installation manual is available on the webpage www.systemair.com/Global/Support and includes:

- Permitted installation methods with detailed descriptions
- Fire resistance classes
- Types and parameters of activating mechanisms
- Electrical connections of activating mechanisms
- Operating conditions of the smoke dampers
- Operating Manual
- Functionality check
- Inspection instructions
- Warranty conditions
- Operational journal

OPERATIONAL JOURNAL

Building object	
Placement	
Room No.	
Position No.	
Identification	
Type	
Dimension	
Serial No.	

Recommended inspection procedure according to EN 12101-8:

1. Identification of damper
2. Date of inspection
3. Check of the electrical connection of the activation mechanism
4. Check of the the electrical connection of the end switches
5. Check of the damper for cleanliness and eventually treatment (where necessary)
6. Removing of the cover of the inspection lid.
7. Check of the inspection lid, cover tightness and eventually correction and record (where applicable)
8. Check of the blade and sealings, and eventually correction and record (where applicable)
9. Check of the safety damper closure - details see Chap. 3
10. Check of the damper functionality - details see Chap. 3 - opening and closing by the control system, tracking the physical behavior of the dampers and signalization of the end positions, and eventually correction and record (where applicable)
11. Closing of the cover of the inspection lid.
12. Set up into the operating position - see Chap. 2.1
13. Record into operational diary with name and checker signature.

Activation of the damper		
Date	Description of defects found and the date of inspection after the defects are eliminated	Inspection technician's signature
Periodic damper inspections - at least once every 12 months		
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WARRANTY CONDITIONS

1. Systemair provides warranty for all its manufactured DK1 smoke dampers; the warranty lasts for 24 months starting on the product delivery date.
2. The product undergoes an examination in the factory before dispatch. The manufacturer guarantees that all the product attributes will remain in compliance with the relevant technical specifications throughout the whole warranty period, provided that the customer uses it in accordance with the operating manual.
3. The customer can only request a warranty repair in writing and including the serial number of the damper in question.
4. The warranty does not apply to damages caused by unprofessional manipulation, incorrect assemblage, incorrect installation, mechanical damage or not respecting instructions stated in the Installation and Operation manual.
5. The warranty period is extended by the amount of time which has elapsed between the filing of the warranty repair claim and execution of the repair.
6. The repair is executed in the customer's premises and the manufacturer bears any costs that are necessary for the repair execution.
7. In case no defects applicable for warranty are identified, the costs associated with the arrival of the service technician will be handled by the customer who filed the warranty repair claim.
8. Before you can install the damper, it's functionality must be tested according to the chapter 3 (Check of the Functionality) in Installation and Operational manual.
DO NOT INSTALL NONFUNCTIONAL SMOKE DAMPERS!
Changes of smoke damper functionality, caused by transport or installation, aren't reclaimable after the installation (deformations, damages, mechanical damage of the sealing material, foreign objects which can constrain the blade, wrong handling of the activating mechanism etc.)
9. Before you can connect the smoke damper into the ductwork, it's functionality must be checked again (according to chapter 3 Check of the Functionality in Installation and Operational manual).

The dampers are transported in covered means of transport, on pallets or in boxes. When handling during transportation and storage, the dampers must be protected against damage and weather conditions and the damper blades must be in the "CLOSED" position. These products must be stored in a closed and dry area where the temperature is kept within the range of -10 °C to +50 °C.