

NORDdamper

KR/KRU Installation and maintenance manual



ETS NORD[®]

Installation and maintenance manual

KR damper



Measurements

Width B	200 mm,, 2500 mm
Height H	200 mm,, 3000 mm
пеідпі п	When H≥2000 mm 2 motor shelves needed.
ВхН	Max. 5 m ² , if face area >5m ² , 2 or more dampers are needed. >0,6m2 is used square lever , \leq 0,6m ² rounded!

KRU damper



Measurements		
Width B	200 mm,, 2500 mm	
Height H	200 mm,, 2950 mm	
	When H≥2000 mm 2 motor shelves needed.	
ВхН	Max. 5 m^2 , if face area >5 m^2 , 2 or more dampers are needed.	



Damper mounting

The KR and KRU damper can be mounted both horizontally and vertically and the mechanism can be positioned either upwards, downwards and also to the sides.

When using a damper with an actuator, note that there is sufficient space between the damper and any other parts, for example duct or wall, for replacing the actuator.





Retangular regulating dampers are installed to ventilation units or ducts using c-joining profiles.

When installing damper the cross-sectional requirement must be monitored. The deviance of the dampers body is $\pm 1^{\circ}$. Bigger angle deviation can cause the blades to get stuck.



1. Damper installation

1.1 Gasket installation





1.2 Damper fixing

Mounting with C profile



2. Round duct installation





KR, KRU with circular joint



2.1 Installing the KRSP saddle to the damper (optional)



2.2 Installing damper to a round duct



Duct diameter, mm	Number of rivets, pcs
80 - 250	3
315 – 500	4
630 - 1250	8
1600	12



3. Wall mounting

The damper is installed to the wall with the factory-installed L profiles (L profile width 50 mm).



NB! For wall mounting select the fixing accessories according to the wall material and damper weight.

4. Regulating damper

The blades can be regulated with the handle or actuator. The regulating method has to be specified in the order.





5. Regulation and shut-off dampers maintenance

We recommend cleaning regulation and shut-off dampers regularly with a vacuum cleaner or cloth.



NB! Regulation and shut-off damper have moving parts. Careless work can cause injuries.

In case of damper failure:

- 1. Check the damper body land lever for damage or rust.
- 2. Check that damper blades open and close without any restriction and there aren't foreign obstacles restricting blades movement.
- 3. Check that the blade gaskets are not damaged.
- 4. Check the actuator motor limit positions and adjust if necessary.
- 5. Check that actuator is correctly fixed to the motor bed and the shaft.



ETS NORD AS

Address:	Peterburi tee 53 11415 Tallinn Estonia
Phone:	+372 680 7360
	info@etsnord.ee www.etsnord.ee

ETS NORD Finland

Address:	Pakkasraitti 4 04360 Tuusula Finland
Phone:	+358 40 184 2842
	info@etsnord.fi www.etsnord.fi

ETS NORD Sweden

Address:	Järsjögatan 7 692 35 Kumla Sweden
Phone:	+46 19 554 20 50
Address:	Pinjegatan 5 213 63 Malmö Sweden
Phone:	+46 40 94 68 70
Address:	Förrådsvägen 5 151 58 Södertälje Sweden
Phone:	+46 8 550 301 40
	info@etsnord.se www.etsnord.se

ETS NORD International

info@etsnord.com www.etsnord.com

Let's move the air **together!**

