NENUTEC®

A NAME WITH QUALITY

NACM 32 (S)

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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сайт: www.nenutec.nt-rt.ru || эл. почта: nct@nt-rt.ru

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A NAME WITH QUALITY

Rotary Damper Actuator
Standard 32 Nm
Modulating Control

The technical specifications might not be congruent.

- NACM…32 (S) series
- NENUTEC standard damper actuators are especially designed and produced for applications in the HVAC systems.
- Our wide range of NENUTEC standard damper actuators has been developed to operate and position air dampers of different sizes. Angular positioning of modulating actuators can be controlled by the NPG-1 positioner.

Product Features

- Torque 32 Nm
- Damper size 6.0 m^2
- Power Supply AC/DC 24 V
- Control Modulating DC 0(2)…10 V and 0(4)…20 mA
- 2 adjustable auxiliary switches (SPDT)
- Shaft dimensions
  Ø 10 to 20 mm round / ☐ 10 to 16 mm square
- Minimum shaft length 50 mm
- Selectable direction of rotation
- Adjustable angle of rotation
- Actuator with cable connection on request
- Customer version on request

Model Selection Table

Torque	Running Time	Power Supply	Auxiliary Switches	Model / Type
32 Nm	~ 240 sec	AC/DC 24 V ± 10%	No	NACM 1.1-32
32 Nm	~ 240 sec	AC/DC 24 V ± 10%	2 x SPDT	NACM 1.1-32 S

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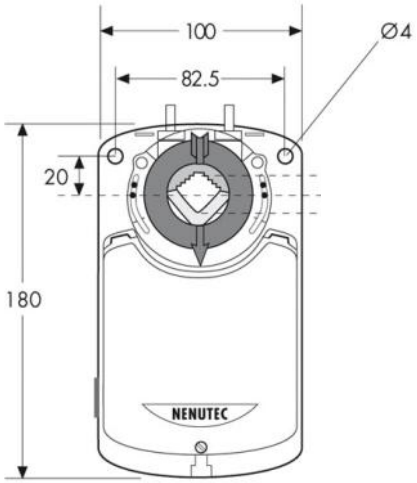
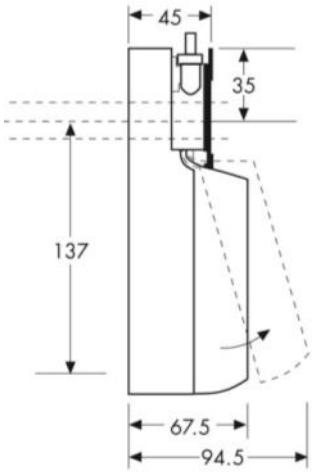
Actuator Dimensions (mm)





Technical Specifications

	NACM 1.1...(S)
Torque	32 Nm
Damper Size	6.0 m^2
Shaft dimensions	Ø 10 to 20 mm round / ☐ 10 to 16 mm square
Power Supply	AC/DC 24 V ± 10%
Frequency	50 - 60 Hz
Control Signal (Input)	DC 0(2)...10 V or 0(4)...20 mA
Position Signal (Output)	DC 0...10 V
Power Consumption	
- Operating	4.0 W
- End Position	0.7 W
For Wire Sizing	6.5 VA
Auxiliary Switch Rating	3 (1.5) A, AC 230 V
Protection Class	III ⧫
Angle of Rotation	0°...90° (93° mechanical)
Angle of Limiting	0°...90° in 5° steps
Weight	< 1.3 Kg
Life Cycle	60'000 rotation
Sound Level	45 dB (A)
IP Protection	IP 54 (dust protected & protected against splash water)
Operating Temperature	-20°...+50° C / IEC 721-3-3
Non-Operating Temperature	-30°...+60° C / IEC 721-3-2
Ambient Humidity	5%...95% rH non condensing / EN 60730-1
Maintenance	Maintenance free
Mode of Operation	Type I / EN 60730-1
EMC	CE according to 89 / 336 / EEC

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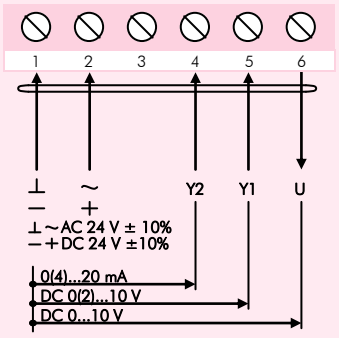
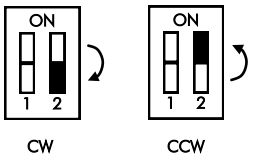
Wiring Diagram NACM 1.1…(S)
Power Supply AC/DC 24 V

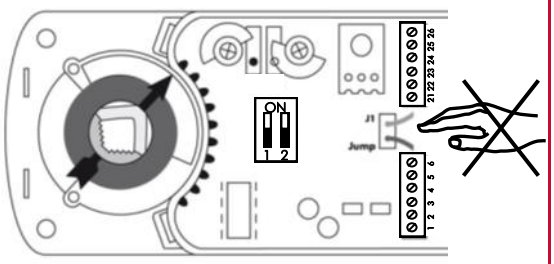


Changing Direction of Rotation NACM 1.1…(S)

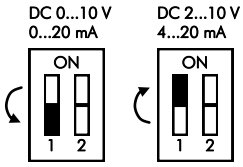


Factory-set CW!

The direction of rotation can be changed by moving the CW/CCW micro switch number 2. **Plug J1/Jump must never be reversed.**



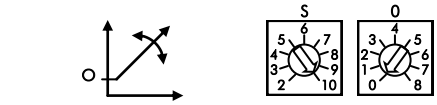
Adjustment of Control Signal NACM 1.1…(S)



The control signal can be changed to DC 2...10 V and 4...20 mA by moving micro switch 1 to the ON position. Calibration with self-adaption.

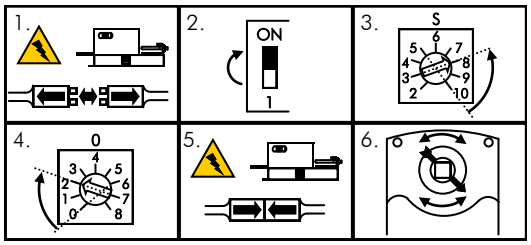
1.1 Control signal Y1	DC 0(2)...10 V	
Input resistance	Ri	100 kOhm
1.1 Control signal Y2	0(4)...	20 mA
Input resistance	Ri	500 Ohm
1.1 Position signal U	DC 0...10 V	
Load resistance		> 50 kOhm

Signal		Pot. p	Pot. p
Y1	= DC0...10V	S = 10	/ 0 = 0
Y1	= DC2...10V	S = 8	/ 0 = 2
Y2	= 0...20mA	S = 10	/ 0 = 0
Y2	= 4...20mA	S = 8	/ 0 = 2

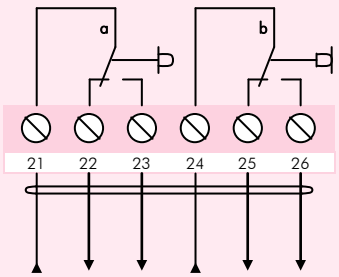


Selection / Adjustment DC 2...10 V or 4...20 mA

1. Turn off the power.
2. Set micro switch 1 to ON
3. Potentiometer S adjust the arrow into 8
4. Potentiometer 0 adjust the arrow into 2
5. Switch on power supply.
6. Wait for self-adaption



Wiring Diagram NACM 1.1…(S)
Auxiliary Switches

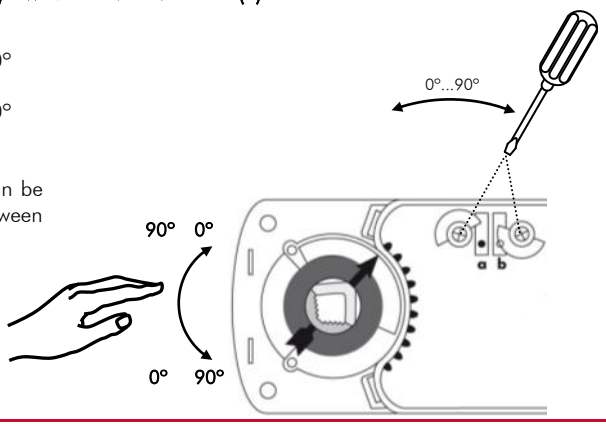


Adjustment of Auxiliary Switches NACM 1.1…(S)

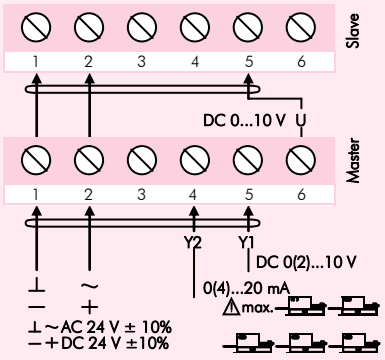
Switch **a** factory-set at 10°

Switch **b** factory-set at 80°

The auxiliary switches can be optimally adjusted between 0°...90°.



Wiring Diagram NACM 1.1…(S)
Parallel Connection



Remark:

When NACM…(S) actuators operate in parallel, the output signal U = DC 0...10 V (terminal 6) of the master actuator must be connected to terminal 5 of the next slave actuator.

The power consumption must be observed.

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