

10 Nm| MODULATING CONTROL



NACM...10 (S1) SERIES

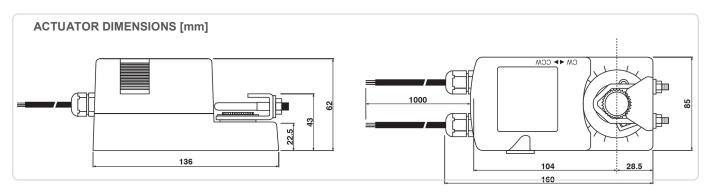
NACM standard damper actuators are specially designed and produced for applications in the HVAC Systems. Our wide range of Nenutec standard damper actuators has been developed to operate and position air dampers of different sizes.

Torque: 10 Nm
Damper size 2.0 m ²
Power supply 24 $V_{\mbox{\scriptsize AC/DC}}$ and 230 $V_{\mbox{\scriptsize AC}}$
 Control signal 0(2)10 V _{DC} / 0(4)20 mA
Shaft dimensions – Ø 1020 mm / square 514 mm
Minimum shaft length 45 mm
Adjustable angle of rotation
Direction of rotation selectable by switch
Actuator with 1 m connection cable
Optional 1 adjustable SPDT auxiliary switch
Manual over ride by push button when required

MODEL SELECTION TABLE						
Model/type	Torque	Power supply	Running time	Auxiliary switch		
NACM 1-10	10 Nm	24 V _{AC/DC} ± 10%	70100 s			
NACM 1-10S1	10 Nm	24 V _{AC/DC} ± 10%	70100 s	1 x SPDT (adjustable)		
NACM 2-10	10 Nm	230 V _{AC} ± 10%	70100 s	-		
NACM 2-10S1	10 Nm	$230 V_{AC} \pm 10\%$	70100 s	1 x SPDT (adjustable)		



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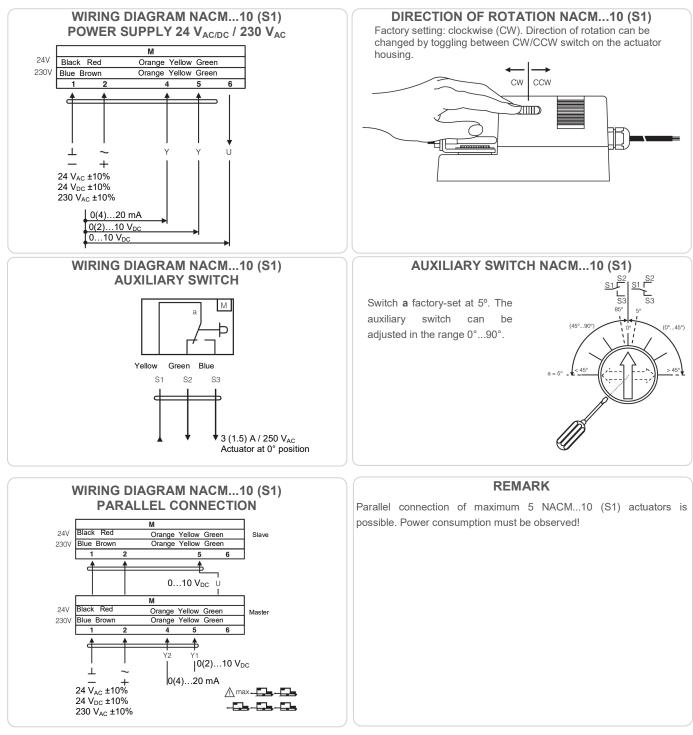


TECHNICAL SPECIFICATION

	NACM 1-10 (S1)	NACM 2-10 (S1)
Torque	10 Nm	10 Nm
Damper size	2.0 m ²	2.0 m ²
Shaft dimensions	Ø 1020 mm / 🗖 514 mm	Ø 1020 mm / 🗖 514 mm
Power supply	24 V _{AC/DC} ± 10%	230 V _{AC} ± 10%
Frequency	5060Hz	5060Hz
Control signal (Input)	0(2)10 V _{DC} / 0(4)20 mA	0(2)10 V _{DC} / 0(4)20 mA
Position signal (output)	010 V _{DC}	010 V _{DC}
Power consumption		
In operation	6.0 W	6.0 W
End position	2.0 W	2.0 W
Rated power	6.5 VA	6.5 VA
Electrical connections	1 m Cable	1 m Cable
Auxiliary switch rating	3 (1.5) A / 250 V _{AC}	3 (1.5) A / 250 V _{AC}
Protection class	Class III 🕸	Class II 🛛
Angle of rotation	90° (95° mechanical limitation)	90° (95° mechanical limitation)
Weight	<1.0 kg	<1.0 kg
Durability	60,000 rotations	60,000 rotations
Sound level	45 dB	45 dB
IP protection class	IP54	IP54
Working temperature range	-20°C50°C as per IEC 721-3-3	-20°C50°C as per IEC 721-3-3
Storage temperature	-30°C+60°C / IEC 721-3-2	-30°C+60°C / IEC 721-3-2
Ambient humidity	595% rH (non condensing) / EN	595% rH (non condensing) / EN
Maintenance	Maintenance free	Maintenance free
Principle of operation	Type 1 (acc. to EN 60730-1)	Type 1 (acc. to EN 60730-1)
Electromagnetic compatibility	CE, UL 873 & ISO 9000 EN / EEC	CE, UL 873 & ISO 9000 EN / EEC



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Control signal (terminal	5)	010 V _{DC}		
nput resistance	·	Ri 100 kOhm		
actory default setting				
Control signal 5(termina	al 5)	210 V _{DC}		
Input resistance		Ri 500 kOhm		
LIMITING ANGLE C	F ROTATION NACM10 (S1)		
\bigcirc	2	3	4	5
)		Adapter	0°90°	
se consider the local valid legisl ACDC: Connect via safety V _{AC} : To isolate from the the phase conductor	electronic components and may not b tion. solating transformer. main power supply, the system mus r (with at least a 3mm contact gap.)	t incorporate a device which disconnects	NENUTEC offers you versions, e.g. with your coordinated application demand on request.	ERSION u actuators in custom own brand name, with col is and with your partic please contact us or our l

Nenutec Polska

The performance specifications are nominal and conform to acceptable industry standards. Nenutec shall not be

liable for damages resulting from misapplication or misuse of its products.

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