



บริษัท เอดีดี เฟอร์เนส จำกัด

ADD FURNACE CO.,LTD.

44 ซอยบรมราชชนนี 70 ถนนบรมราชชนนี แขวงศาลาธรรมสพน์ เขตทวีวัฒนา กรุงเทพฯ 10170

โทร: 02-888-3472 โทร: ออกแบบ: 08-08-170-170 แฟกซ์: 02-888-3258

<https://www.add-furnace.com> E-mail: sales@add-furnace.com

NABA...05 (S1) SERIES

VALVE & VALVE ACTUATOR 2/3 POINT CONTROL

NENUTEC



High Neck
Ball Valve Actuator



Low Neck
Ball Valve Actuator

NABA...05 (S1) SERIES

NABA series standard valve actuators deliver reliable performance, smooth operation, and precise control. Compatible with various ball valve sizes, they offer a versatile solution for efficient flow regulation across different applications.

e.g. Fan Coils, VAV Reheat Coils, Chilled Beams, Computer Room Air Conditioning Units (ARAC), AHUs etc.

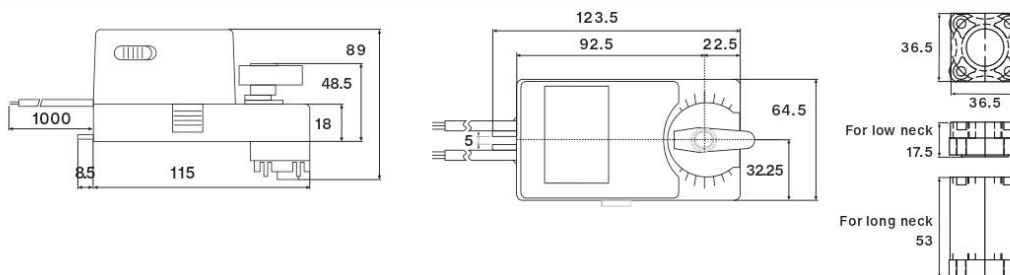
PRODUCT FEATURE

- Torque 5 Nm
- Valve size DN15(1/2") / DN20(3/4") / DN25(1") / DN32(1 1/4")
- Power supply AC/DC 24V or AC 230V
- Shaft dimensions - $\square$ 9.0 mm (fixed)
- Adjustable angle of rotation
- Selectable direction of rotation
- Optional 1 fixed SPDT auxiliary switch
- Built-in manual override button
- Available in high neck and low neck

MODEL SELECTION TABLE

MODEL / TYPE	TORQUE	POWER SUPPLY	RUNNING TIME	AUXILIARY SWITCH
NABA 1-05 LN	5 Nm	AC/DC 24 V $\pm$ 10%	<90 sec	-
NABA 1-05 HN	5 Nm	AC/DC 24 V $\pm$ 10%	<90 sec	-
NABA 1-05S1 LN	5 Nm	AC/DC 24 V $\pm$ 10%	<90 sec	1 x SPDT
NABA 1-05S1 HN	5 Nm	AC/DC 24 V $\pm$ 10%	<90 sec	1 x SPDT
NABA 2-05 LN	5 Nm	AC 230 V $\pm$ 10%	<90 sec	-
NABA 2-05 HN	5 Nm	AC 230 V $\pm$ 10%	<90 sec	-
NABA 2-05S1 LN	5 Nm	AC 230 V $\pm$ 10%	<90 sec	1 x SPDT
NABA 2-05S1 HN	5 Nm	AC 230 V $\pm$ 10%	<90 sec	1 x SPDT

DIMENSION (mm)





บริษัท เอดีดี เฟอร์เนส จำกัด

ADD FURNACE CO.,LTD.

44 ซอยบรมราชชนนี 70 ถนนบรมราชชนนี แขวงศาลาธรรมสพน์ เขตทวีวัฒนา กรุงเทพฯ 10170

โทร: 02-888-3472 โทร: ออกแบบ: 08-08-170-170 แฟกซ์: 02-888-3258

<https://www.add-furnace.com> E-mail: sales@add-furnace.com

TECHNICAL SPECIFICATION

MODEL NUMBER	NABA 1-05 (S1)	NABA 2-05 (S1)
TORQUE	5 Nm	5 Nm
VALVE SIZE	DN15(1/2") / DN20(3/4") / DN25(1") / DN32(1 1/4")	DN15(1/2") / DN20(3/4") / DN25(1") / DN32(1 1/4")
SHAFT DIMENSION	□ 9.0 mm (fixed)*	□ 9.0 mm (fixed)*
POWER SUPPLY	AC/DC 24 V ± 10%	AC 230 V ± 10%
FREQUENCY	50...60 Hz	50...60 Hz
CONTROL SIGNAL	2/3 point control	2/3 point control
POWER CONSUMPTION		
• OPERATING	2.0 W	2.0 W
• END POSITION	1.0 W	1.0 W
FOR WIRE SIZING	4.0 VA	4.0 VA
ELECTRICAL CONNECTION	1 m Cable	1 m Cable
AUXILIARY SWITCH RATING	3 (1.5) A, AC 250 V	3 (1.5) A, AC 250 V
PROTECTION CLASS	Class III ⚡	Class II ⚡
ANGLE OF ROTATION	90° (95° mechanical)	90° (95° mechanical)
WEIGHT	0.55 Kg	0.55 Kg
LIFE CYCLE	60,000 Rotation	60,000 Rotation
SOUND LEVEL	40 dB	40 dB
IP PROTECTION	IP54	IP54
OPERATING TEMPERATURE	-30°...50° as per IEC 721-3-3	-30°...50° as per IEC 721-3-3
NON-OPERATING TEMPERATURE	-30°...+60° C / IEC 721-3-2	-30°...+60° C / IEC 721-3-2
AMBIENT HUMIDITY	5%...95% rH non condensing / EN	5%...95% rH non condensing / EN
MAINTENANCE	Maintenance Free	Maintenance Free
MODE OF OPERATION	Type I / EN 60730-1	Type I / EN 60730-1
EMC	CE & ISO 9000 EN / EEC	CE & ISO 9000 EN / EEC

*Note that shaft dimension has a tolerance offset of ± 0.2mm.



บริษัท เอดีดี เฟอร์เนส จำกัด

ADD FURNACE CO.,LTD.

44 ซอยบรมราชชนนี 70 ถนนบรมราชชนนี แขวงศาลาธรรมสพน์ เขตทวีวัฒนา กรุงเทพฯ 10170

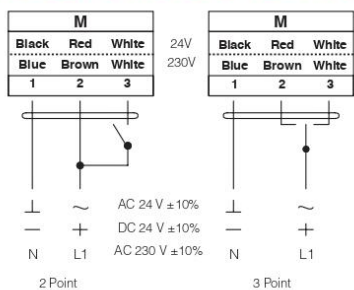
โทร: 02-888-3472 โทร: ออกแบบ: 08-08-170-170 แฟกซ์: 02-888-3258

<https://www.add-furnace.com> E-mail: sales@add-furnace.com

NABA...05 (S1) SERIES

VALVE & VALVE ACTUATOR 2/3 POINT CONTROL

WIRING DIAGRAM NABA...05 (S1) POWER SUPPLY AC/DC 24V OR AC 230V

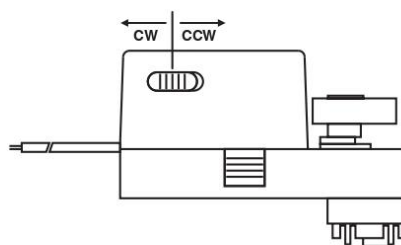


△ Connect via safety isolating transformer

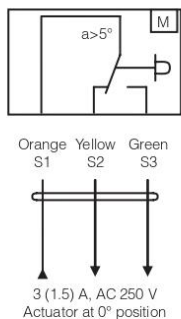
DIRECTION OF ROTATION NABA...05 (S1)

Default factory setting: CW.

Direction of rotation can be change by toggling between CW/CCW switch on the actuator's housing.



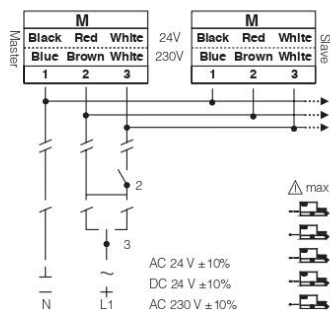
WIRING DIAGRAM NABA...05 (S1) AUXILIARY SWITCH



AUXILIARY SWITCH NABA...05 (S1)

Auxiliary switch (a) factory-set at 5°.

WIRING DIAGRAM NABA...05 (S1) PARALLEL CONNECTION



REMARK

Parallel connection of NABA...05 (S1) actuators are limited to 5. Power consumption must be observe.



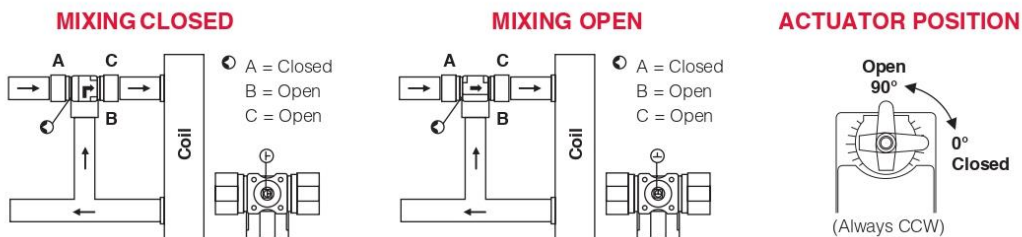
บริษัท เอดีดี เฟอร์เนส จำกัด

ADD FURNACE CO.,LTD.

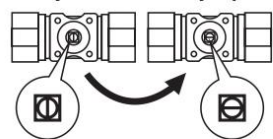
44 ซอยบรมราชชนนี 70 ถนนบรมราชชนนี แขวงศาลาธรรมสพน์ เขตทวีวัฒนา กรุงเทพฯ 10170

โทร: 02-888-3472 โทร: ออกแบบ: 08-08-170-170 แฟกซ์: 02-888-3258

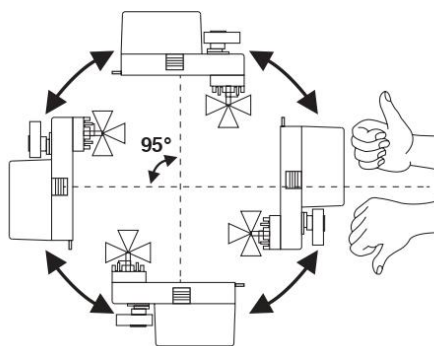
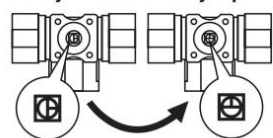
<https://www.add-furnace.com> E-mail: sales@add-furnace.com



2-way Closed 2-way Open



3-way Closed 3-way Open



IMPORTANT REMARK

For special requirement, consult your local Nenutec's representative.



This actuator includes electrical and electronic components and may not be disposed as household garbage. Please consider the local valid legislation.



AC / DC 24 V:
AC 230 V:

Connect via safety isolating transformer.

To isolate from the main power supply, the system must incorporate a device which disconnects the phase conductor (with at least a 3mm contact gap.)

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.

Disclaimer:

While we strive for accuracy, product specifications may change without notice. Images are for illustration only. Contact our sales team for the latest information.

NABA SERIES BALL VALVE ACTUATOR 2/3 POINT CONTROL 5NM

NENUTEC

04