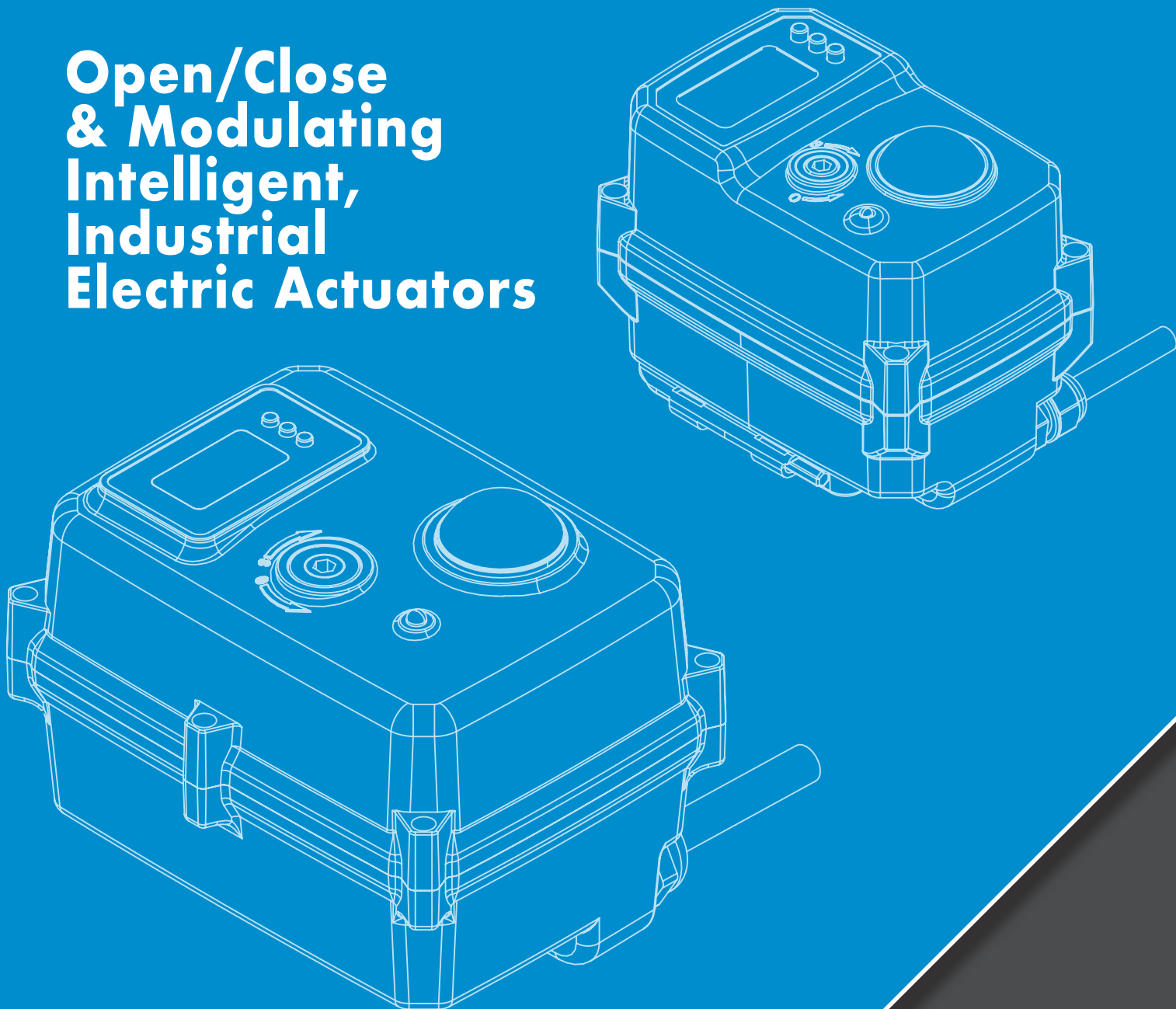




The Best Way To Automate Your Process



Open/Close & Modulating Intelligent, Industrial Electric Actuators



MA Series Technical Brochure

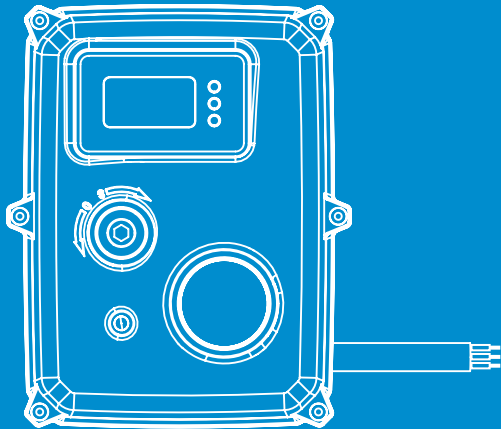
Max-Air Technology Inc. | Rotary Actuators & Valve Automation Solutions

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MA Series Electric Actuators

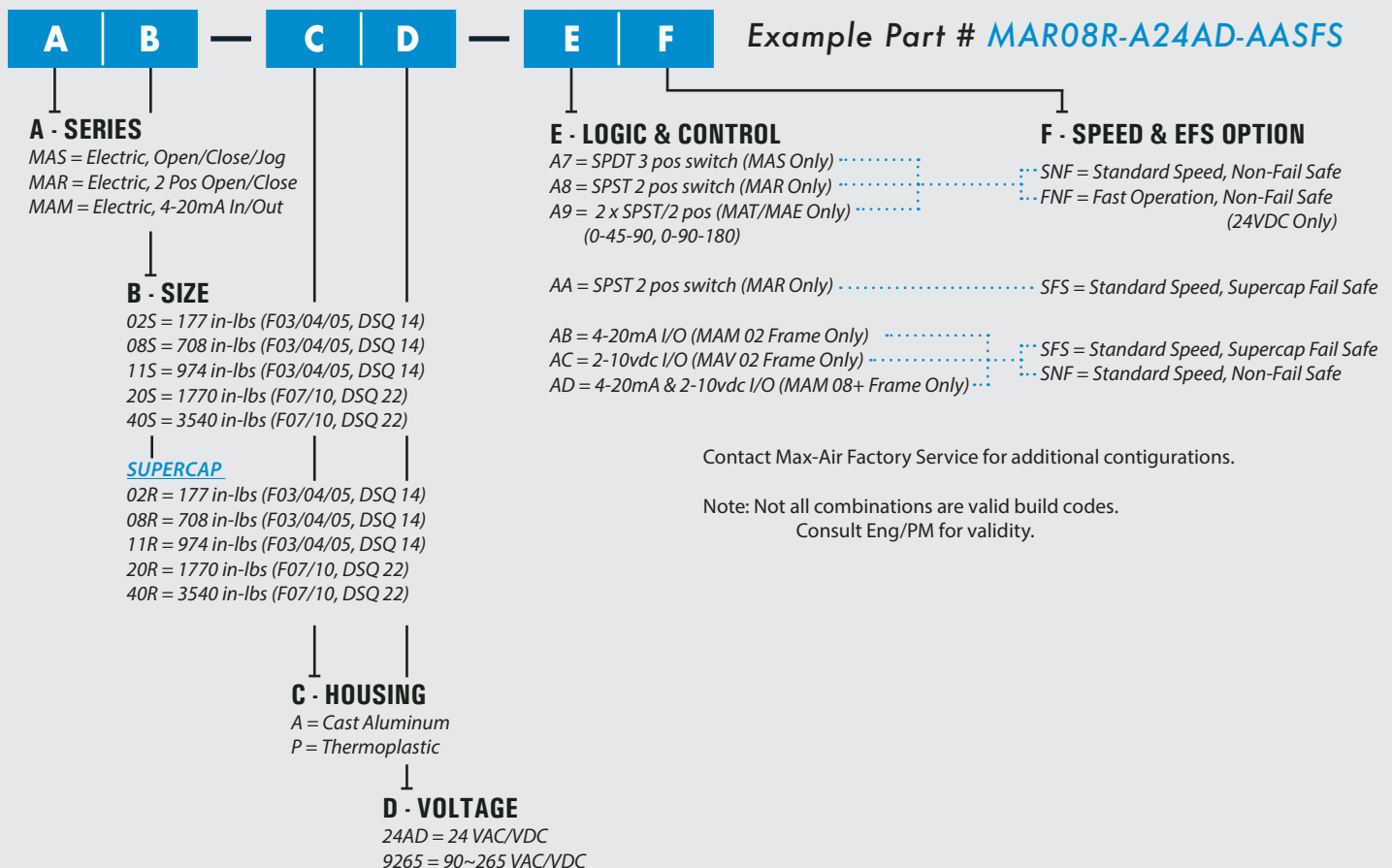


Standard On/Off & Modulating Actuators w/ Failsafe Options, for Industrial Applications.



MA Series industrial electric actuators come standard with a heavy duty, NEMA 4/4X/IP67 aluminum enclosure, 3D position indicator, 2 auxiliary limit switches, and internal heater. MA Series actuators are available in 24VAC/VDC, 90 to 265VAC/VDC models for On/Off/Jog or Modulating control. Additional customizations are also available.

MA Series Part Number Builder



MA Series Technical Brochure

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Table of Contents

Pg - Description

[02 - Part Number Builder](#)

[03 - Table of Contents](#)

[04 - Features & Benefits](#)

[06 - Data Sheet Links](#)

[06 - Other Brochure Links](#)



STANDARD WARRANTY

Max-Air Technology Inc. | The Best Way to Automate Your Process

Max-Air Technology provides the following warranty regarding products manufactured by it. **THE WARRANTY STATED HEREIN IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS, EXPRESSED OR IMPLIED, OR STATUTORY, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.** Max-Air Technology warrants its products to be free from defects in materials and workmanship when these products are used for the purpose for which they were designed and manufactured. Max-Air Technology does not warrant its products against chemical or stress corrosion or against any other failure other than from defects in materials or workmanship. The warranty period is for twelve (12) months from installation date or eighteen (18) months from shipment date, whichever date comes first. Any claims regarding this warranty must be in writing and received by Max-Air Technology before the last effective date of the warranty period. Upon Max-Air Technology's receipt of a warranty claim, Max-Air Technology reserves the right to inspect the product(s) in question at either the field location or at the Max-Air Technology Manufacturing plant. If, after inspection of the product(s) in question, Max-Air Technology determines that the purchaser's claim is covered by this warranty, Max-Air Technology's sole liability and the purchaser's sole remedy under this warranty is limited to the refunding of the purchase price or repair or replacement thereof at Max-Air Technology option. Max-Air Technology will not be liable for any repairs, labor, material or other expenses that are not specifically authorized in writing by Max-Air Technology, and in no event shall Max-Air Technology be liable for any direct or consequential damages arising out of any defect from any cause whatsoever. If any Max-Air Technology product is modified or altered at any location other than Max-Air Technology – St. Louis (Missouri) UNITED STATES or Max-Air Technology – Agrate Brianza (MB) ITALY without the express written authorization of Max-Air Technology, said product is not covered by this warranty. The warranty for such products shall be subject only to the warranty relief, if any, provided by the suppliers and/or manufacturers of such products.

Features & Benefits

Standard On/Off & Modulating Actuators w/ Failsafe Options, for Industrial Applications.

Compact Electric Actuator, Intelligent Electronics w/ Failsafe Option

MA Series industrial electric actuators are offered in 4 frame sizes and 8 different torque ratings providing 133 in-lbs thru 1,770 in-lbs. These units utilize an "Advanced Interface" for operation and configuration with all set-up and monitoring done through a set of push buttons and illustrated on an OLED screen. All units come standard with 3 meter cable integrated into an industrial powder coated heavy duty, IP67 aluminum enclosure, ISO mounting and female drive output. MA Series actuators are available in 24 VAC/VDC or 90 to 265 VAC. All MA Series are available in either Open / Close / Jog control, as well as full Modulating control configuration (3 position and a multitude of other control configurations are available). Failsafe configuration utilizing SuperCap technology is available for these units as an option; this will provide full CW positioning of the unit under loss on mains power. A 360-degree viewable raised position indicator, manual override, 2 auxiliary switches, and anti-condensation heater are standard on all units.



Specifications:

Locations Ordinary	Indoors/Outdoors
Enclosure Protection	Rating IP67 , NEMA 4/4X
Torque Range	133 to 1770 in-lbs
Materials	Aluminum w/ Polyester Powdercoat
Ambient Temp.	5°F to +140°F (-15°C to +60°C)
Rotation	90 Degrees (Up to 270 Degrees Optional)
Voltages - Single Ph	24 vac/vdc, 90 to 265 vac/vdc
Voltages - 3 Ph	n/a
Hz Rating	Dual 50/60 Hz certified
Motor Design	Class F & H
Duty Cycle	S3-85% @ ≤ 85% rated torque

Signal Type	Open/Close/Jog or Modulating (4-20mA, 2-10V)
Mounting ISO 5211	Yes
Gears	Spur design - Heavy duty sintered metal
Back-Drive Resistance Method	High gearing ratio + back-drive resistant motor
Relative Humidity	Range 30% to 95%
Condensation Protection	Thermostat Heater
Auxilliary Position Indication	2 separate position output connections
Manual Override	Hex Socket
Failsafe Battery Backup	Yes

Electric Series Selection

Start work down the comparison chart to select the correct electric actuator series.

	Spring Return				
	MA	ME	MX - HazLoc	SE	SX - HazLoc
Series	MA	ME	MX - HazLoc	SE	SX - HazLoc
Torque	177 to 3540 in-lbs	310 to 40,000 in-lbs	310 to 13,280 in-lbs	445 to 3518 in-lbs	445 to 2300 in-lbs
Rating	NEMA 4/4x IP67	NEMA 4/4X IP67	Class 1, Div 1, Grp. C, D T4 & Class 2 Div 1 Grp. E, F, G T130	NEMA 6/6P IP68	Class 1, Div 1, Grp. C, D T4 & Class 2 Div 1 Grp. E, F, G T130
Voltages Single Ph	24 vac/vdc, 90 to 265 vac/vdc	24 vac/vdc, 120 vac, 220 vac	24 vac/vdc, 120 vac, 220 vac	24 vac/vdc, 120 vac, 220 vac	24 vac/vdc, 120 vac, 220 vac
Voltages 3 Ph	n/a	220,380,460 vac	n/a	220,380,460 vac	220,380,460 vac
Control Type	Open/Close/Jog or Modulating (4-20mA, 2-10V)	Open/Close/Jog or Modulating (4-20mA, 2-10V)	Open/Close/Jog or Modulating (4-20mA, 2-10V)	Open/Close/Jog or Modulating (4-20mA, 2-10V)	Open/Close/Jog or Modulating (4-20mA, 2-10V)
Features & Options	Electronic Fail-Safe Digital End of Travel Setting	Submersible Torque Switches Chainwheel Override Local Control	Submersible Torque Switches Chainwheel Override	Submersible Handwheel Fail Direction (CW/CCW) Local Control	Submersible Handwheel Fail Direction (CW/CCW)

MA Series Technical Brochure

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Industrial Design



Compact NEMA 4/4X/IP67 rated aluminum housing with polyester coating for protection in the harshest of environments.

OLED Screen for Set-Up Status, & Alarms

Raised Color Position Indicator

Compact Housing

Polyester Coated Aluminum Enclosure NEMA4/4X/IP67

Hex Key Operated Manual Override

ISO Compliant - Multiple Bolt Patterns w/ DSQ Female Drive

3 Meter Cable Lead

OLED Screen for Set-Up Status, & Alarms

Polyester Coated Aluminum Enclosure NEMA4/4X/IP67

Hex Key Operated Manual Override

Raised Color Position Indicator

Compact Housing

Intelligent Design



Push button programming and configuration for a multitude of operations and custom configurations. All data displayed on high resolution oled screen

ISO Compliant - Multiple Bolt Patterns w/ DSQ Female Drive

3 Meter Cable Lead

Links for Data Sheets & Brochures

Data Sheet w/ Technical Information & Additional Max-Electric Actuator Brochures

MA Series Data Sheets

Looking for ME Series technical info? Use the [PART NUMBER BUILDER](#) to select which data sheet is needed, then click the link!

MA Series

[MA-02-A-Advanced-MOD](#)

[MA-02-A-Advanced-OCJ](#)

[MA-08-A-Advanced-MOD](#)

[MA-08-A-Advanced-OCJ](#)

[MA-11-A-Advanced-MOD](#)

[MA-11-A-Advanced-OCJ](#)

[MA-20-P-Advanced-MOD](#)

[MA-20-P-Advanced-OCJ](#)

[MA-20-S-Standard-OCJ](#)

[MA-40-P-Advanced-MOD](#)

[MA-40-P-Advanced-OCJ](#)

Additional Electric Brochures

Looking for additional information on other models of Max-Electric actuators? Click the link below!



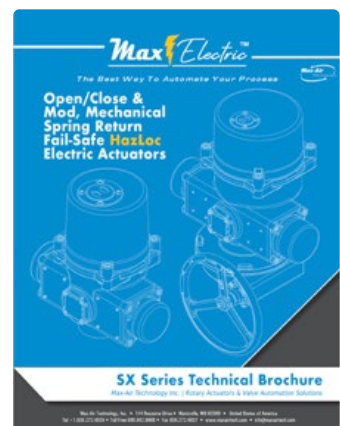
**ME Series
Industrial
Brochure**



**MX Series
Industrial Hazloc
Brochure**



**SE Series
Spring Return
Brochure**



**SX Series
Spring Hazloc
Brochure**

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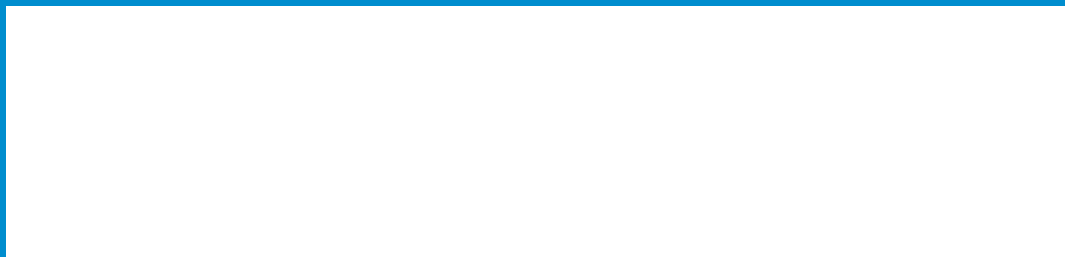
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