



KAS CONTROL

COMPACT ELECTRIC VALVE ACTUATORS



www.kascontrol.co.th



SCAN ME

20-400NM

UK BRAND

ISO 9001-2015

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Join the **orange** and grey revolution



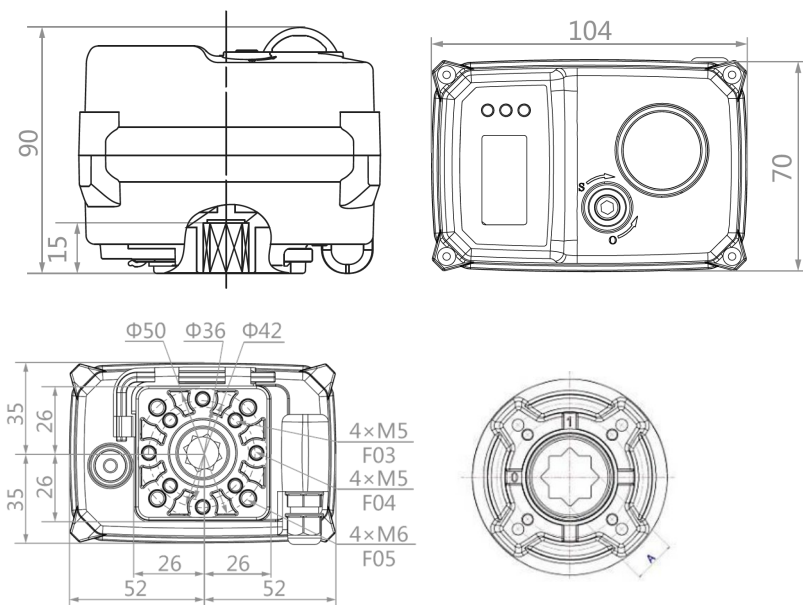
SERIES 20

Our most popular series is our Series 20, offering a compact 20Nm torque output. Available in a wide range of functions including On Off, Failsafe, Hi Speed, Modulating, Modulating Failsafe, Modulating Hi Speed, Modbus, Timer and EXD version also available.

SMART ACTUATOR

KEY FEATURES

The Series 20 offers a Break Torque of 25Nm (221.lb) and a Run Torque of 20Nm torque output (177.lb). With an IP67 PE+PET housing as standard, internal space heater and manual override, the Series 20 also has end of travel limit switches as standard for Open/Close feedback. Available as either Basic or Smart version. LED status light.



FEATURE	20 FEATURES:
ISO MOUNT:	F03/04/05
OUTPUT DRIVE:	14mm Star
WEIGHT:	0.8Kg
RUN TIME:	10 Seconds
MATERIAL:	PC+PET (Aluminium Option)
WIRING:	2 x Conduit Entry Plugs
VOLTAGES:	12VDC, 24VAC/DC, 95-265VAC
BASIC FUNCTION:	On Off, Failsafe, Hi Speed
SMART FUNCTION:	On Off, Failsafe, Hi Speed, Modbus, Modulating, Failsafe Modulating. Multi Turn, Modbus and Timer

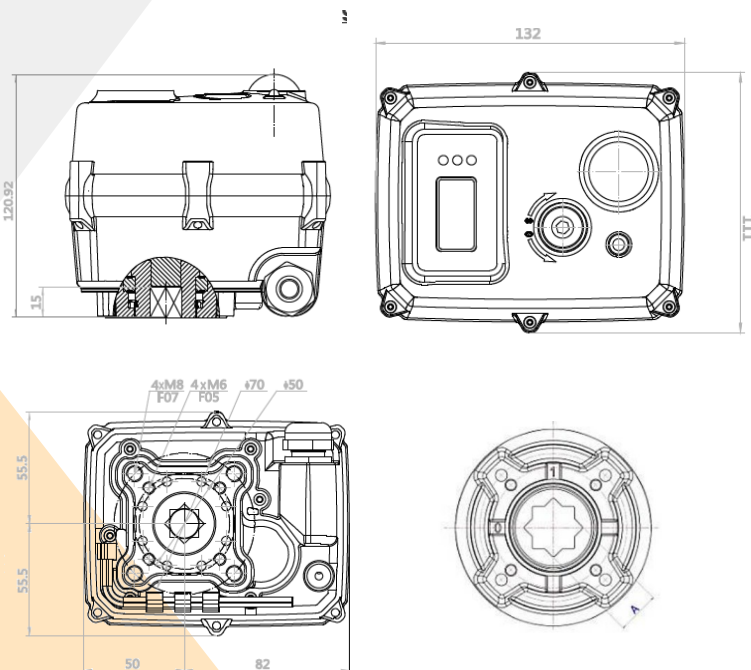


SERIES 50

A feature rich compact design offering 50Nm, perfect for ball valves up to typically 2 1/2" 3pc stainless ball valve or a 4" butterfly valves for example. The 50 series comes with a pre wired power and feedback cable and has an LED status light for Open, Closed and Alert as standard.

KEY FEATURES

The Series 50 offers a Break Torque of 60Nm (531.lb) and a Run Torque of 50Nm torque output (442.lb). With an IP67 ABS housing as standard, internal space heater and manual override, the Series 50 also has end of travel limit switches as standard for Open/Close feedback. Available as either Basic or Smart version. LED status light as standard. Available with 14mm output drive with option of 17mm star drive coming late 2021.



FEATURE	50 FEATURES:
ISO MOUNT:	F05/07
OUTPUT DRIVE:	14mm Star
WEIGHT:	1.2Kg
RUN TIME:	12 Seconds
MATERIAL:	ABS (Aluminium Option)
WIRING:	2 x Conduit Entry Plugs
VOLTAGES:	12VDC, 24VAC/DC, 95-265VAC
BASIC FUNCTION:	On Off, Failsafe, Hi Speed
SMART FUNCTION:	On Off, Failsafe, Hi Speed, Modbus, Modulating, Failsafe Modulating, Multi Turn, Modbus and Timer



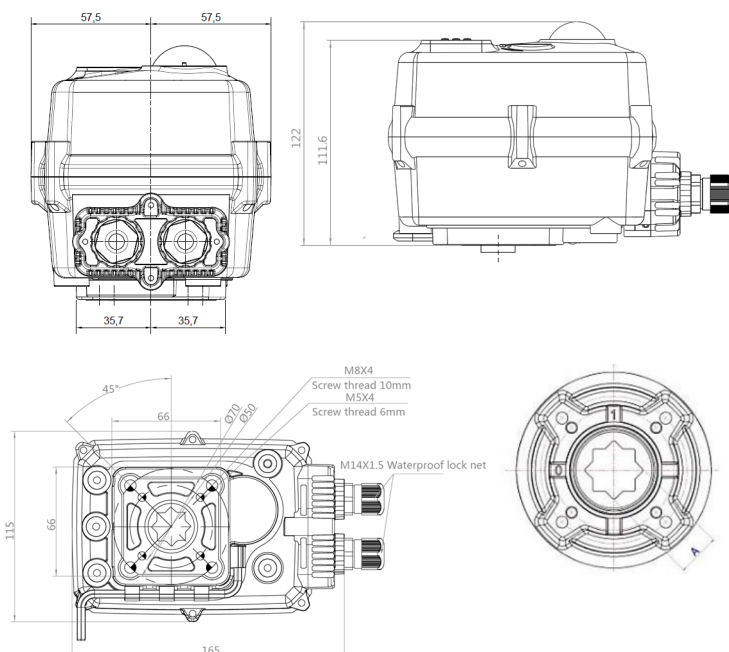
SERIES 80-110

Our 80-110 Series is the same housing that covers the two torque ranges. This allows a very compact 110Nm rated actuator. The 80-110 is the first unit that introduces the wiring box and removes the pre wired power/feedback solution.

SMART AC

KEY FEATURES

The Series 80-110 offers a Break Torque of 90-140Nm (796-1239.lb) and a Run Torque of 80-110Nm torque output (708-973lb). With an IP67 ABS housing as standard, internal space heater and manual override, the Series 80-110 also has end of travel limit switches as standard for Open/Close feedback. Available as either Basic or Smart version. Note Series 80-110 is the same housing for both 80 and 110Nm.



FEATURE	80-110 FEATURES:
ISO MOUNT:	F05/07
OUTPUT DRIVE:	17mm Star
WEIGHT:	2.2Kg
RUN TIME:	10 Seconds
MATERIAL:	PC+PET (Aluminium Option)
WIRING:	Wiring Box 2 x Conduit
VOLTAGES:	12VDC, 24VAC/DC, 95-265VAC
BASIC FUNCTION:	On Off, Failsafe, Hi Speed
SMART FUNCTION:	On Off, Failsafe, Hi Speed, Modbus, Modulating, Failsafe Modulating, Multi Turn, Modbus and Timer

*Please note 110 Series Failsafe is limited to 95Nm torque output currently.

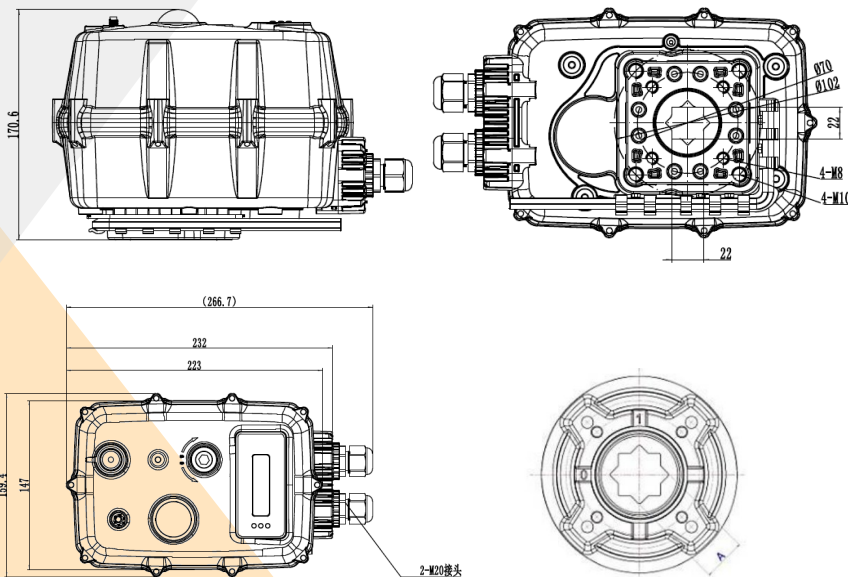
SERIES 200-400

By far the most feature rich actuator and latest series in our range. The 200-400 series introduces a declutchable gearbox selector, new sensor technology to monitor the status of the motor, temperature and offers onboard diagnostics tools.



KEY FEATURES

The Series 200-400 offers a Break Torque of 250-450Nm (2212-3982.lb) and a Run Torque of 200-400Nm torque output (1770-3540.lb). With all the same standard features as our other models, the new 200-400 series introduces new features including a declutchable manual override selector/operator, new dual screen display to show the user more information than ever before and advanced self diagnostics via the latest firmware in our Smart series.



*Please note Series 400 is limited to 290Nm torque output only currently

FEATURE	200-400 FEATURES:
ISO MOUNT:	F07/10
OUTPUT DRIVE:	22mm Star
WEIGHT:	6Kg
RUN TIME:	25 Seconds
MATERIAL:	PC+PET PLASTIC
WIRING:	Wiring Box 2 x Conduit
VOLTAGES:	12VDC, 24VAC/DC, 95-265VAC
BASIC FUNCTION:	On Off, *Failsafe, Hi Speed
SMART FUNCTION:	On Off, *Failsafe, Hi Speed, Modbus, Modulating, *Failsafe Modulating.

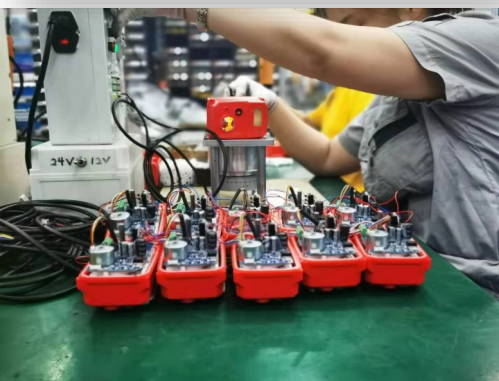


OEM ACTUATORS

We have produce some of our actuators specifically for OEM customers and target applications. This includes our compact 10Nm actuator for small bore valves, our EXD 20Nm actuator for hazardous areas.

SMART AC

DESIGNED FOR YOU



With OEM's at the core of our offering, over the years we have developed a number of actuators aimed at either a specific market or application or to solve a customers problem that cannot be achieved using our standard products. Naturally this comes through MOQ and often investment should new housing or PCB design be required, but we have created unique actuators which in turn expands our offering.

This includes:

10Nm Series - a compact version of our popular 20 series, designed for small bore metal and plastic valves designed for applications with little room for the product or for example to replace solenoid valves.

EXD 20 Series - this is our explosion proof actuator, EXD rated for Zone 1-2 applications. Note that this is not ATEX certified but is approved by a test house in Asia to EXD. Contact us for more details. Available in on off, failsafe, modulating and much more.

1000-2000Nm Series - this large torque output is available with limited functionality and options compared to our standard 20-400Nm range, but perfect for large ball or butterfly valve applications.

Did you know we have an EXD Rated 20NM Actuator?



TUV CERTIFIED

Quality products approved by the biggest names, from TUV for CE, UL and CSA, to REACH and RoHS, we have everything for total peace of mind. Not to forget our ISO 9001:2015 process control.

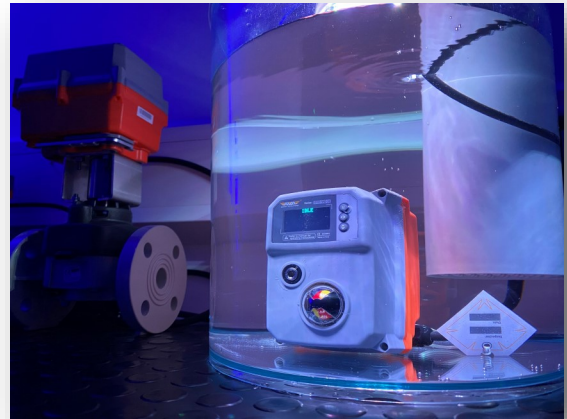
QUALITY AT OUR CORE

Naturally quality control is very important to us, we know that our actuators are often used in highly critical applications where our customers depend on our products working as specified. Through our ISO 9001:2015 accreditation, we monitor all stages of pre and post sale including tight quality control on the manufacturing, including serial and batch number traceability.

In addition to this, we have just completed the very latest in CE testing via TUV in which our actuators were extensively tested to the very latest standards. EMC testing was also completed as part of this process.

With such a large focus on the US and Canadian markets, this year we have began the process of working with UL and CSA to obtain approvals to UL429 and CSA 22.2. We expect to have this in place by end of Q3 2021.

Other testing completed includes internal life cycle testing, 3rd party life cycle testing, vibration testing, IP67 submersion testing and salt spraying for corrosive applications.





IP67 RATED CONNECTOR OPTION

We have partnered with WEIPU to utilise their IP rated connectors to give you a wide choice of how to connect your new AVA actuator into your PLC / system. We also have various other options available.

SMART AC

WIRING OPTIONS

We have three main options for how you can receive your actuators from us. For the series 20 and 50 our actuators are pre wired with a 0.8m long cable, this can be customised to your requirement, for example 5m long. For the series 80-400, we have 2 x conduit entry plugs to connect power, feedback and control (if applicable). See the various options below on how we can terminate the actuator ready for your installation.

For stocking distributors we will supply the actuators with pre wired connectors designed to match our test boxes that enable very quick testing of our actuators.

We will develop our actuator wiring capabilities to include DIN plug type connectors in the future.

Below you can see data on our pre wired actuators.



Cable Sizing	20	50	80/110	200/400
Diameter	5.5mm	7.5mm	8mm	8mm
Core Diameter	1.3mm	2mm	2mm	2mm
Wire Gauge	16 Gauge	12 Gauge	12 Gauge	12 Gauge



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SPECIAL SERIES



MODBUS RS485 COMMUNICATIONS

We can offer a number of special solutions with our actuators including Modbus functionality, Timer series and Wireless. As a manufacturer working largely with OEMs, the range of options expands often.

MODBUS, MULTI TURN and much more...

Modbus RS485 and CANBUS are two of our standard options. We can also offer Modbus RTU as a special configuration and are developing Profibus protocol also.

Timer Function is another unique offering from AVA, this allows the user to set a 7 day schedule of operations via the onboard Firmware without the need for a PLC or similar system. The actuator will open and close as per your schedule and can also operated on time delay function. All the user needs is to add power! Contact our team today for more information.

Multi Turn series offers our smart series with the ability to set the number of turns. Suitable for non rising stem gate, knife gate and diaphragm valves.

Currently limited to 5 turns on the 20Nm actuator , 15 turns on the 50Nm and 20 turns on the 80-110Nm series, we are looking to expand this range soon to achieve more turns.



Join the **orange** and grey revolution



PROVEN QUALITY THROUGH LIFE CYCLE TESTING

Installed in some of the most challenging applications all around the world, our actuators have been tested to over 1 million operations.

Latest **TUV CE and EMC** certification.

UL approval coming for 2021, another example of our quality.

1 MILLION OPERATIONS

Various customers have tested our actuators to **over 1 million operations** as part of life cycle testing and product evaluation. Other customers have tested to 100,000 operations to validate the quality of the actuators design and build. With 1000s of actuators sold each year, all over the world, and some of the biggest names in the industry choosing AVA as their electric actuator, you too can choose AVA for your electric actuator requirements.

Our **Basic Series** carries a **12 month warranty** and our **Smart Series** is available with up to a **3 year warranty** or 60,000 operations typically as standard.



CONTACT US

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