



For all your **motorised valve actuation** needs.

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## COMPACT AVA SMART ACTUATOR FEATURES

## FIP TDK PVC 3 WAY BALL VALVE

### IP67 Ingress protection

Fully weatherproof and even short term submersion.

### Multi-voltage

All external electrical connection. Saves installation time as no need to remove the cover to connect. .

### Pre-wired

Supplied with pre-wired multi-core cable

### Volt-free remote position confirmation

Full open and fully closed positions are confirmed electrically as standard

### Emergency manual override

Emergency hand operation .via hexagonal key that is supplied with the actuator



### Local dome mechanical position indicator

Clear indication, red is closed, yellow is open.

### OLED Screen for user feedback

Displays actuator status and used in conjunction with 3 push buttons to adjust actuator settings and make changes to actuator parameters

### Anti-condensation heater

Automatic when power is connected.

### Electronic over torque protection

Protects actuator against jammed valves.

### Multi-ISO5211 mount & star drive

Direct mounting to ISO5211 compliant valves.



**From stock in the UK from AVS** leaders in valve actuation.

## STANDARD FUNCTION OPTIONS FROM AVA

### ON-OFF CONTROL

The most common application, powered open and powered closed by switching the live between the open and close contacts. Power remains on at all times. Stays put on loss of external power.

### FAILSAFE FUNCTION

In the S20 an internal capacitor is kept charged and provides the power to send the AVA smart actuator to its pre-set failsafe position on the loss of external power.

Provides either fail closed (NC) or fail open (NO) functionality on loss of external power.



## MODULATING CONTROL

Modulating or proportional control is achieved with the AVA Digital Positioning System (DPS).

The DPS can use either a 0-10V, 1-10V, 0-20mA or 4-20mA control signal and provides an output signal as standard. Fails open, closed or stays put on loss of control signal and stays put on loss of external power.

## HI-SPEED & SPEED CONTROL

The AVA Smart actuator has 2 methods of speed control as standard which will slow the actuator from it's factory setting, step timer or PWM, either of which can change the speed via the external push buttons and screen. Working times as fast as 1 second are possible in the S20 with a corresponding reduction in functional torque, which drops to 15Nm.

