



**ZVA0500 is a series of high quality actuators intended for control of chilled water or hot water valves.**

- \* Three-point floating control, 24 or 230 V AC
- \* Robust enclosure
- \* Manual adjustment
- \* Stroke preset at 20 mm

### Function

ZVA0500 is a series of valve actuators intended for the most common plug type control valves available in the market.

The actuators are of the 3-point floating (increase-decrease) signal type. Options are available for a potentiometric feedback of the valve position or open/close limit switch.

#### Field of application

The actuator is used to operate valves for chilled water, hot water and steam applications.

#### Manual Override

Manual override is available as standard. The gearing can be disengaged by simply depressing the button on the side of the housing. While the button is depressed, the actuator can be operated by hand and be set to any position. See next page.

#### Improved functional safety

The actuator stops automatically when it reaches the actuator end stop. Limit switches are pre-calibrated in the factory for 20 mm stroke.

#### Simple installation

The actuator is fitted with a universal C clamp for quick and easy mounting directly on the valve connector. Coupling nuts can be provided for all type of connection - mushroom head or screw joints. Red and blue indicators on the linkage bracket provide visual indication of the valve position.

Note: The valve actuator can be adapted on valves of other brands. Please consult factory for full range of accessories for adapting onto valves of other make.

### Models

|                    | <b>Control signal</b> | <b>Supply voltage</b> | <b>Force</b> |
|--------------------|-----------------------|-----------------------|--------------|
| <b>ZVA0500-24</b>  | Three-point           | 24 V AC               | 500 N        |
| <b>ZVA0500-230</b> | Three-point           | 230 V AC              | 500 N        |

## Technical data

|                      |  |
|----------------------|--|
| Supply voltage       | 24 VAC or 230 VAC  |
| Control signal       | 3 point floating   |
| Transformer sizing   | 2.5 or 10 VA   |
| Stroke               | 20 mm preset, adjustable at site with end limit switches |
| Stroke time          | 10.3 s/mm  |
| Force                | 500 N  |
| Ambient temperature  | 2...55 °C  |
| Storage temperature  | -20...65°C   |
| Ambient humidity     | Max 95% RH   |
| Cable connection     | Screw terminals  |
| Degree of protection | IP54   |
| Weight               | 1.2 Kg   |

## Wiring and dimensions

