

ELECTRIC ACTUATOR

YZNG TRONG INTERNATIONAL CO., LTD
Stainless Steel Valve Manufacturer

ONE SKU COVERS THE FULL VOLTAGE RANGE · INDOOR · UNIT: MM

01 SPEC

AC 110–380V
POWER SUPPLY

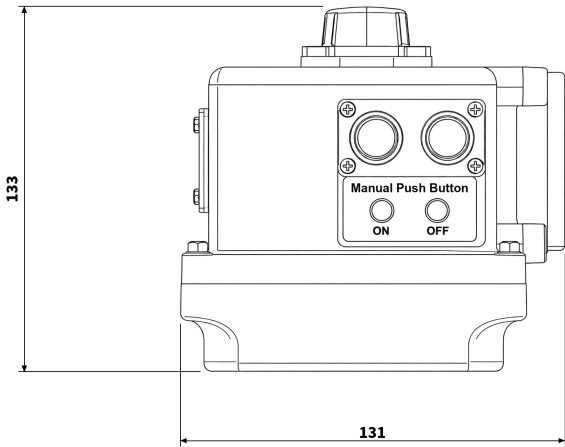
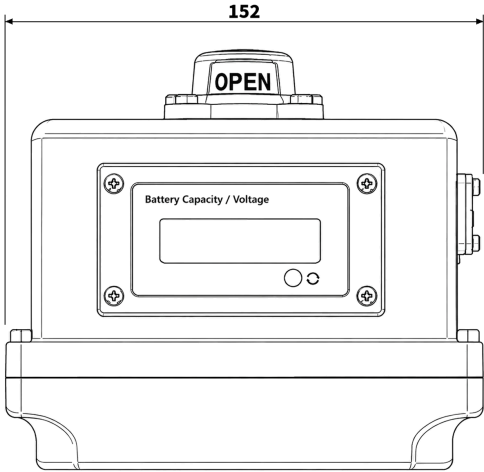
DC 24 / 48V
DC OPTION

Lithium
BACKUP POWER

Closes
ON POWER LOSS

0–45°C
AMBIENT · INDOOR

02 DIMENSIONS (MM)



152 (W) × 133 (H) × 131 (D)

03 CORE FEATURES

- | | |
|---|--|
| 01 Battery backup (lithium)
Built-in lithium battery takes over automatically when main power fails | 02 Automatic return on power loss
The valve returns to its safe position after a power failure |
| 03 Electronic positioning
Precise electronic positioning, high reliability | 04 Position sensing
Senses the fully open and fully closed position in real time |
| 05 Signal feedback
Open and closed signals reported back in real time | 06 Dry contact output
Standard dry contacts, compatible with common control systems |
| 07 Aviation plug connector
Wire it without opening the cover; easier maintenance | 08 Controlled on power failure
The valve closes on power loss, avoiding overflow and spoiled batches |

04 POWER & FUNCTIONAL SPECIFICATIONS

Model	YZ-25-AC (AC supply) / YZ-25-DC (DC supply)
AC power	AC 110V / 220V / 380V, single phase — one unit covers the full range
DC power	DC 24V / 48V — one unit covers the full range
Rated torque	Output gear 9–11 mm: 3 N·m / output gear 14 mm: 10 N·m
Maximum torque	20 N·m for both output gear sizes
Backup power	Lithium battery with three built-in protections: over-charge, over-discharge, over-temperature
On power loss	Returns automatically to the safe position
Positioning	Electronic, precise and reliable
Position sensing	Senses the open / closed position in real time
Signal output	Dry contact (fully open / fully closed feedback)
Control type	On / off
Wiring	Aviation plug connector — no need to open the cover
Ambient temperature	0°C to 45°C — indoor installation only

05 TARGET APPLICATIONS

- Wastewater and sewage treatment — the valve closes on power loss, avoiding overflow and environmental penalties
- Industrial process lines — on/off duty; return on power loss avoids line stoppage and equipment damage
- Electronics and hi-tech facility piping — cooling water, compressed air and general utility lines inside climate-controlled plant
- Food and beverage processing lines — scheduled open / close cycles under PLC control
- OEM machine builders — designed in as a component; price, lead time and local service