ELECTRIC ACTUATOR

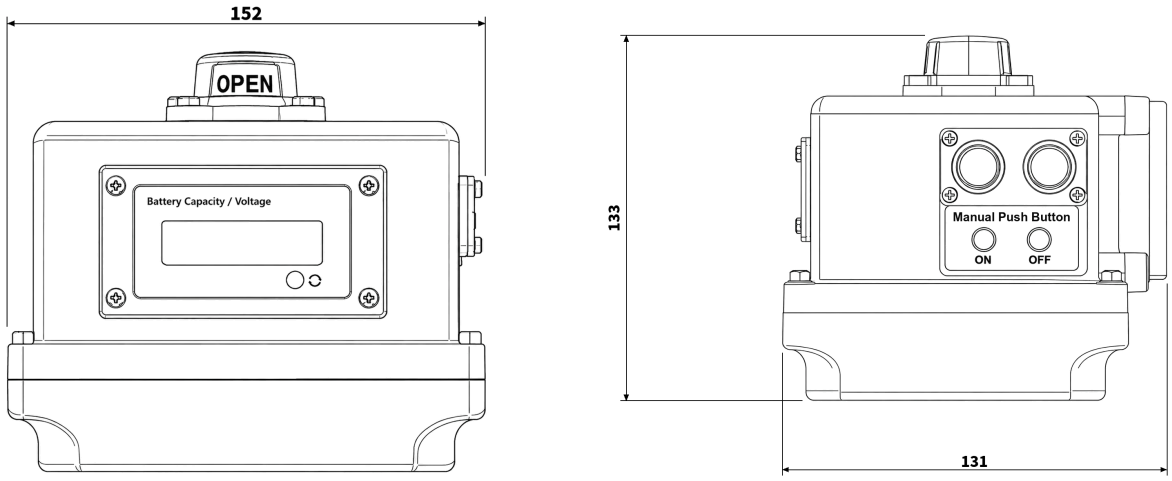
SZ VALVES INTERNATIONAL
Stainless Steel Valve Manufacturer

ONE AC MODEL FOR 110 / 220 / 380V · INDOOR · UNIT: MM

01 SPEC

AC 110–380V	DC 24 / 48V	Lithium	Closes	0–45°C
SZ-25-AC	SZ-25-DC	BACKUP POWER	ON POWER LOSS	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	SZ-25-AC (AC supply) / SZ-25-DC (DC supply)
AC model (SZ-25-AC)	AC 110V / 220V / 380V, single phase — all three on one unit
DC model (SZ-25-DC)	DC 24V / 48V — both on one unit. AC and DC are separate models
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 plants — utility piping inside climate-controlled facilities; the valve closes on power loss, avoiding overflow and spoiled batches
- OEM machine builders — designed in as a component; price, lead time and local service