

ELECTRIC ACTUATOR

SA005L, 009L (Built-in Battery Type)

- Flameproof Enclosure
- Engineered to be lightweight and compact for greater versatility.
- The unique housing design allows various options to be installed without the additional cost of an external enclosure.
- To help protect the components and extend the actuator's life, a 5-watt anti-condensation heater is included as standard.
- Included with the end of travel motor switches are two additional dry-contacts for auxiliary indication.
- A thermal protector is provided to protect the motor from over heating.
- The worm gear drive eliminates the possibility of back drive and the need for motor brakes.
- Discharge of the battery pack factory because of a problem is the connector is disconnected. Open the battery cover and battery connector board to connect to the input power after connection.
- When charging is completed, the battery pack LED Charging Lamp is illuminated.
- A blinking LED Charging Lamp must charge the battery.
- Designed for mounting in any orientation.
- In case of a power loss, the manual over-ride is provided for positioning the valve.
- 3 ISO mounting pads are provided for greater flexibility.



SA005L , 009L


PERFORMANCE

Model	Output Torque		Operating Time(90°) (Sec)			Break Time	Rated Current (A)			Motor Class (W)	Number of Handle Turns	Weight
			1 Phase(AC)		DC		1 Phase(AC)		DC			
	Kg.m	N.m	50Hz	60Hz	24V		110V	220V	24V			
SA005L	5	50	17	14	10	8	0.18	0.11	0.12	15	6	3.2
SA009L	9	90	32	26	22		0.18	0.11	0.12	15	6	3.2

STANDARD SPECIFICATION

Enclosure	Weatherproof enclosure IP67 Nema 4 and 6 (Flameproof Enclosure)		
Ambient temperature	-20°C to 70°C	Power supply	AC 110/230V 50/60Hz, DC24V
Limit switches	2 Open/Close + Dry contact 2 Open/Close	Travel angle	90° ± 5°
Manual operation	By L-wrench (6mm hexagon)	Self locking	Provided by means of worm gearing
Space heater	5 W (110/230VAC, DC24V)	Conduit entries	Two PF1/2" (Option : M20, NPT1/2")
Lubrication	Shell Gadus S2 V220 2	Consist of Materials	Steel, Aluminium alloy, bronze
Surface treatment	Anodizing	External coating	Polyester (TGIC-free)

BUILT IN BATTERY SPECIFICATION

	Charging Time	1H	Battery Size	57 x 51 x 39 (mm)
	Battery Type	Ni-MH 1.2VDC 10EA	Charging Volt	DC 14.5V
	Emergency (Cycle)	4 Cycle	Battery Weight	0.5Kg

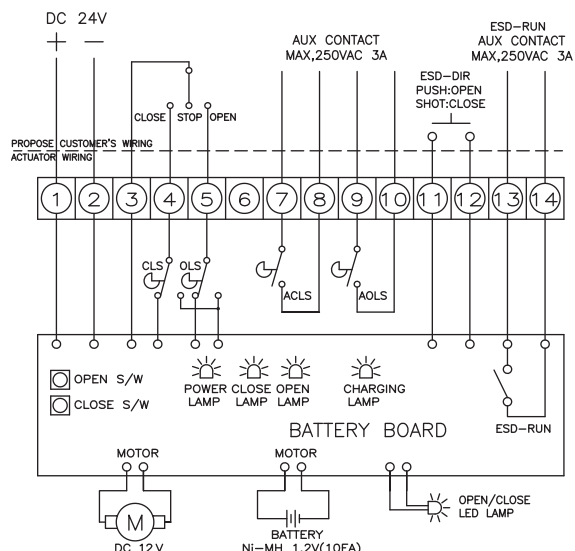
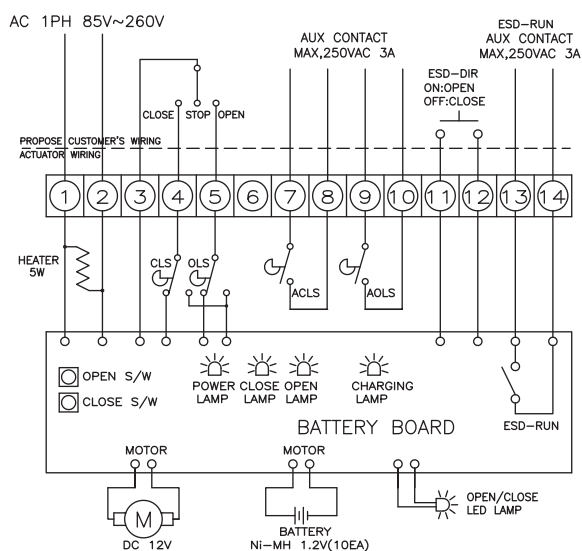


In states without charging does not operate. After charging the battery must be used.

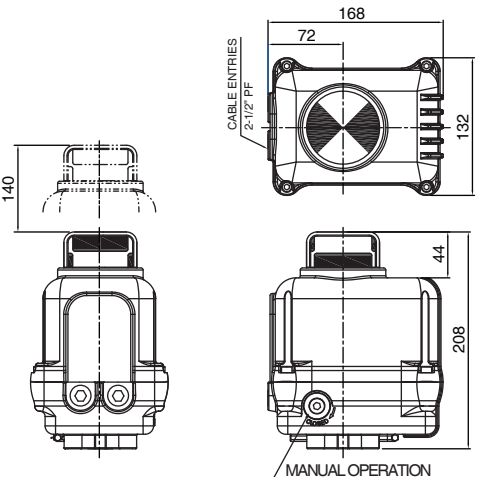
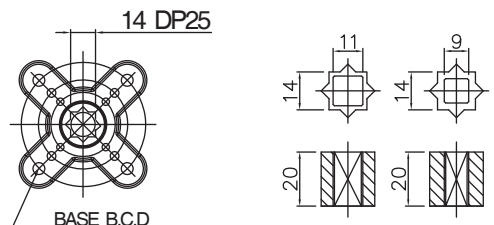
STANDARD WIRING

CLS : Close Limit Switch (250VAC 3A)
 OLS : Open Limit Switch (250VAC 3A)
 ACLS : Aux Close Limit Switch (250VAC 3A)
 AOLS : Aux Open Limit Switch (250VAC 3A)
 TP : Thermal Protector (250VAC 3A)
 RM : Motor Regulation

TERMINAL LAYOUT



DIMENSION

SA005L , 009L	BASE (OPTION)
	 <p>BASE B.C.D</p> <p>A: ISO 5211 F03 (φ36 M5TAP DP8) B: ISO 5211 F05 (φ50 M6TAP DP10) C: ISO 5211 F07 (φ70 M5TAP DP13)</p> <p>DRIVE INSERT</p>