

ESGO4000 HEAVY DUTY ELECTROMECHANICAL SLIDING GATE OPERATORS



ESGO 4000 Heavy Duty Electromechanical Sliding Gate Operators

General Description



Optima electromechanical sliding gate operators are designed for high traffic, commercial and industrial applications. ESGO 4000 operator is suitable for doors which weigh up to 4000 kg. The operator is completely heavy duty. Cabinet is manufactured from 2.5 mm thick sheet metal, galvanized, electrostatically epoxy powder coated. Control electronics is microprocessor PLC controlled. Every kind of radio control receiver cards, safety photocell, open/close buttons, loop detectors, flashing light etc. can be integrated to the system easily. Any kind of card readers, biometric readers, radio control, key switches etc can be used to start or stop the electromechanical sliding gate operator, with the help of PLC (Programmable Logical Control) controls. Closing the sliding gate can be utilized by automatic time delay facility, as well as inputs from other sources. Time delay can be adjusted between any time interval by PLC. By integrating frequency controller to the control electronics movement control of the gate is achieved. For example, slow start for an adjustable period, fast linear motion for another adjustable period and finally again an adjustable slow stop can be achieved. This facility allows the user to adjust the gate speed according to the requirements without losing torque.

STANDARD FEATURES OF ESGO 4000

- Type: Heavy duty
- Motor: 2.2kW, self-braking
- Maximum Lead Weight 4000 kg
- Drive: Rack and pinion
- Electric cut off: Manually by key-release sub-mechanism
- Speed: 300 mm/sec, adjustable with frequency controller
- Control Electronics: Microprocessor, with frequency controller.
- Cycle: 100%, continuous duty.
- Protection Rating: IP55
- Reducer: Low noise, Warm gear, high torque, heat treated and Grounded gears, radial contact ball bearings, aluminium injection casing, irreversible.
- Limit Switches: Two separate, heavy duty, spring type armed,
- Mounting: By separate galvanized anchoring plate
- Auto close: Adjustable time period
- Diagnosis led's: 9 separate; heartbeat, one direction, other direction, etc.

ENVIRONMENTAL CONDITIONS AND POWER REQUIREMENT

Between -15°C and +65°C, % 95 non-condensing humidity; 3 Phase 380-415 VAC (optional 220VAC mono-phase), 50/60 Hz

OPTIONAL ACCESSORIES

1. Flashing Lights.
2. Radio Control Antenna.
3. Safety Photocell.
4. Stand for Safety Photocell
5. Radio Control Receiver
6. Radio Control Transmitter
7. Vehicle Loop Detector
8. Start /Stop Buttons
9. Galvanized Steel Rack
10. Protection Bar

