

GENERAL VIEW OF ESGO4000



GENERAL DESCRIPTION

Optima ESGO4000 electronically sliding gate operators are designed for high traffic, commercial and industrial applications. ESGO4000 operator is suitable for gates that weight up to 4000 kg. The operator is completely heavy duty. The cabinet is manufactured from galvanized metal sheet electrostatically epoxy powder coated. Control electronics are microprocessor Optima PLC controlled. Every kind of radio control receiver card, safety photocell, open/close buttons, loop detectors, flashing light, etc. can be integrated into the system easily. Closing the sliding gate can be utilized by the automatic time delay facility, as well as inputs from other sources.

Time delay can be adjusted between any time intervals by Optima PLC. By integrating the frequency controller to the control electronics movement control of the gate is achieved. For example, a 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 ESGO4000

- ⇒ Type: Heavy duty.
- ⇒ Motor: 1.5 kW or 2.2 kW.
- ⇒ Maximum Weight 4000 kg.
- ⇒ Drive: Rack and pinion.
- ⇒ Electric cut off: Manually by key-release sub-mechanism.
- ⇒ Control electronics: Microprocessor, with frequency controller.
- ⇒ Control electronics are protected in IP65 plastic box.
- ⇒ Cycle: 100%, continuous duty.
- ⇒ Reducer: Low noise, worm gear, high torque, heat treated and grounded gears, radial contact ball bearings, aluminium injection casing.
- ⇒ Limit switches: Two separate, heavy duty, proximity switch.
- ⇒ Mounting: By separate galvanized anchoring plate.
- ⇒ Auto close: Adjustable time period (5-35sec).

ENVIRONMENTAL CONDITIONS AND POWER REQUIREMENT

Between -15°C and +65°C, 95% non-condensing humidity; 220-240 VAC, mono phase, 50-60Hz. (or 380V, three phase, 50-60 Hz, 220V/440V/etc optional by transformer).

STANDARD ACCESSORIES

- ⇒ Flashing light.
- ⇒ Galvanized steel rack.
- ⇒ Safety photocell.
- ⇒ Industrial type keyboard.

OPTIONAL ACCESSORIES

- ⇒ Red/green traffic lights with steel pole.
- ⇒ Dual vehicle safety loop detector.
- ⇒ Safety edge sensor.
- ⇒ Stand and casing for safety photocell.
- ⇒ Radio receiver & antenna.
- ⇒ Radio transmitter.
- ⇒ Uninterruptable power supply (UPS).
- ⇒ SCADA or any control system: It is possible to change and check the position of bollard with touch screen control panel, mobile devices (ios-android), computer, etc.

MAIN BODY MEASUREMENTS

