

SG-CT



GENERAL DESCRIPTION

Optima SG-CT series crash-tested automatic sliding gates are designed for high traffic, military, commercial and industrial applications. If there is a threat of vehicle attack in addition to the control of vehicle access in high-security applications, crash-tested sliding gates are the unique solution and the most secure systems. Even though the attack is from high tonnage vehicles with high speeds, it's not possible for the vehicle to keep on moving because of the damage given to the vehicle with its durable structure. Optima crash tested sliding gates successfully achieved and certified IWA14-1: Gate V/7200(N3C)/80/90:0.

STEEL STRUCTURE

The mainframe of the sliding gate consists of box beams. The top of the sliding gate can be serrated (optional). The middle side of the gate is strengthened with a steel bar which is located horizontally. The front and backside of the gate are closed completely with sheet metal with a "STOP" optional sign in the middle. The front and back plates are mainly placed to prevent the visibility of the compounds. Yellow/black paint is applied completely to the sliding gate. The buttresses are manufactured from heavy-duty beams. There are polyamide rollers that keep the door vertical and in line. Polyamide rollers reduce noise and vibration during operation. These rollers can be adjusted horizontally to keep the sliding gate exactly vertical. The buttresses are embedded into the concrete directly. Both the crash-tested sliding gate and the buttresses are sandblasted, primer coated, and then painted to black and yellow.

POWER UNIT AND CONTROL ELECTRONICS

When used with Optima ESGO4000, sliding gates with a weight up to 4000kg can be operated. With the help of the frequency converter any type of speed control like a slow start, fast linear motion and slow stop can be achieved. This facility brings increased vehicle passing capacity without losing any degree of security. The cabinet is manufactured from galvanized metal sheet, electrostatically epoxy powder coated. ESGO4000 sliding gate operator is controlled by high technology microelectronics.

Every kind of radio control receiver cards, 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 an automatic time delay facility, as well as inputs from other sources. The time delay facility can be adjusted between 5-35 sec.

ENVIRONMENTAL CONDITIONS AND POWER REQUIREMENT

Between -15°C and +65°C, 95% non-condensing humidity; 220-240 VAC, monophase, 50-60Hz. (or 380V ,three-phase, 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.
- ➔ Anti-climb wire mesh.
- ➔ Hot dip galvanizing.
- ➔ Radio receiver & antenna.
- ➔ Radio transmitter.
- ➔ "STOP" sign, aluminum plate with mounting pole.
- ➔ Uninterruptable power supply (UPS).
- ➔ SCADA or any control system: It is possible to change and check the position of gate with touch screen control panel, mobile devices (ios-android), computer, etc.

MAIN BODY MEASUREMENTS

