



TECHNICAL FEATURES AND SPECIFICATIONS OF HOM AUTOMATIC SWING GATE SYSTEM

1. DRIVE MECHANISM: Electro-mechanical drive unit is operated by microprocessor based control panel. The System consists of gears, shaft, crank, safety clutch and ball bearings which are encapsulated in a waterproof oil filled chamber for maintenance free and long lasting performance. The drive units are embedded under each leaf and do not alter the aesthetic appearance of the gate. The operation of the “rotary drive unit” is silent and maintenance free.

2. ANTI-CRUSH SYSTEM: The special feature of the Drive system is its in built anti-crush system which stops the motion of the gate if it comes in contact with a vehicle. Even a child can stop opening or closing leaves by the force of hand without damaging the electronics or DC motor.

3. ELECTRICAL MOTOR: Specially designed 12-24 V DC, reversible motor, drives gate at fast speed during first half of its travel span and at slow speed during the 2nd half. Duration of the fast speed (1-7 sec.) can be adjusted at site depending upon the operation frequency and size of gate.

4. CONTROL PANEL: The electronic control panel controls the direction and speed of the gate movement. It is capable of accepting optional safety devices such as beam sensor, magnetic card reader, remote control etc. inbuilt software ensures soft opening & closing of gate. The control panel is normally fixed in the guardroom.

5. PUSH-BUTTON: The system is activated by touching a single piano type push-button, thereby keeping the guard free to pay more attention to other security checks.

6. AUTO-CLOSE MODE: If auto close mode is selected in control panel, the gate will close and get locked automatically after a preset time (10 - 70 sec.).

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7. THE GATE SIZE: Maximum size: 20' x 10' and weight = 1000 kg.

8. BALL-BEARING HINGES:

The gate is fixed with the side pillars using specially designed heavy-duty ball bearing hinges. Two or three hinges are used on each leaf depending on the weight and size of gate for friction less smooth movement

9. THE LOCK:

A special electro-mechanical lock automatically locks the gate when it is closed. The lock would open only after the push-button switch / remote control or any optional switching device is activated to open the gate.

10. PASS-KEY:

In case of a power failure, the lock may be manually opened by the use of a special pass-key. In the absence of electric power the gate can be opened or closed manually. The control panel also has a battery back up option.

11. REMOTE CONTROL:

Remote control can be used to activate the system from a distance of 50 feet (depending upon local environmental condition). Apart from remote control access cards and photo beam sensor can also activate the gate. (Optional)

12. IN-PUT VOLTAGE:

220 V/50 Hz.

Technical Specifications:

Model	SWG--2000
Input Voltage	220V 50 Hz
Rated Power	80 W
Rated Current	2.5 A
Gate Weight	1000 kg
Gate Width	Up to 20 ft.
Opening/closing time	8-20 sec.
Transmitter range	50 ft.