



## **TECHNICAL FEATURES AND SPECIFICATION OF HOM** **AUTOMATIC SLIDING GATE SYSTEM FOR** **HEAVY WEIGHING GATES**

- Drive unit:** Automatic Sliding Gate System has been especially designed for operation of extra large size gates & heavy gates as oftenly required at Factories & Complexes. It consists of shaft, crank, clutch, motor-reduction gear with worm gear on ball bearings, which are sealed in waterproof oil filled chamber for maintenance free and long lasting performance. The operation of drive unit is silent and requires no maintenance. Lockable drive unit delivers required thrust for quiet operation. Irreversible electro-mechanical drive unit keeps the gate securely locked while a special passkey provides release for manual operation during power failure.
- Accessories:** Two double ball bearing metalone rollers for bottom alignment and six ball bearing metalone rollers for side support, V-rack equal to the length of the gate. *(MS column support for rollers, 1 section (girder) with MS rod are neither part of the system nor supplied).*
- Control Panel:** Microprocessor based electronic control panel controls the direction and timings of gate movement. The control panel is equipped with the following features:
- Control panel takes signal from either push button or remote control, which is part of the system.
  - Other activating devices such as optical beam sensor, proximity card readers, loop detector etc. can also integrated with control panel. (Optional and charged extra).
  - If the gate is in close position, first signal from remote or push button will open it. Second signal if given while the gate is still opening, will STOP it and third signal will CLOSE it. Similarly if a signal is given after the gate is fully opened then it will close the gate. A second signal if given while gate is closing will stop the gate and third signal will open it again.
  - Point is provided in control panel for indicator light that will automatically flash when gate is opening or closing.
  - Optical Sensor (optional) is used as safety device. It sends signal only when there is an obstruction while gate is closing to stop its movement. Use of optical sensor is advisable as an extra safety device.
  - Magnetic limit switches are used to switch off the power supply when gate has either fully opened or fully closed. Inbuilt software in control panel also cuts off power supply after a preset time to provide independent back up safety.

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**Electrical Motor:** 220V / 1 HP, reversible, AC Motor with 1440 rpm, 450 W.

**Push Button:** The system is activated by touching a single piano type push-button for opening, closing and stoping in-between, thereby keeping the guard free to pay more attention to security checks.

**Remote Control:** Radio frequency based remote control can activate the gate from the distance of 50 - 100 ft depending upon local environmental conditions.

**Auto close mode:** If auto close mode is selected in control panel, the gate will close automatically after a preset time (10-70 secs.).

**Technical Specifications:**

<b>Model</b>	<b>SLD-2010</b>	<b>SLD-2020</b>
<b>Input Voltage</b>	220V 50 Hz	220V 50Hz
<b>Rated Power</b>	370 W	450 W
<b>Rated Current</b>	4.2 Amp.	7.6 Amp.
<b>Speed (Approximately)</b>	0.5 sec/ft.	1 sec/ft
<b>Gate Weight</b>	Upto 1000 kg	2000 kg.

All dimensions and weight are approximate.  
HOM's continuous development program may bring specification changes without prior notice.