

SWING GATES

The Contractor shall supply, install, test and commission a high quality motor operated swing gate from an approved manufacturer and design to organize the in / out vehicle movements in both the entrances of the building.

The system shall be supplied and installed by a specialist contractor, who shall be the main agent of the equipment supplied.

The system shall be supplied complete with a sufficient number of Remote Control Units.

The contractor shall submit to the Consultant 5 Copies of Descriptive Literature, Technical Data, Catalogues, List of Materials, Maintenance recommendation and Installation Instructions of all the Products used for Consultant/Client approval before the starting the work.

All the equipment and components shall conform to the European directives.

1. General:

- 1.1 The swing gates shall be of 2.5 m (up to 400 kg) or 3.5 m (upto 350 kg) gate leaves.
- 1.2 Entry & exit shall be via remote control.
- 1.3 Swing gates to be with self-locking gear motors and safety photo-cells.
- 1.4 The swing gates shall be suitable for both apartment blocks & industrial uses.

2. Equipment's Specifications:

- 2.1 High performance fully automatic non-reversible electromechanical actuator.
- 2.2 The swing gate actuators to be fitted with self-locking 12 V DC low voltage gear motor. In case of power failure, the non-reversible motor can be unlocked with special key. They shall also be operated with a 12V 7Ah back-up battery.
- 2.3 Limit switches, speed regulation and obstacle detection shall be dedicated to the controls adjustment of the electronic control panel.
- 2.4 The mechanical components and the motor shall be housed on a die-cast aluminium base.

- 2.5 The swing gates to be complete with three fixing brackets to fix the motor and a pair of keys with key ring to open the mechanical actuator lock.
- 2.6 Flashing light indicating the gate movement on the housing. It shall have a built - in Antenna, 433 Mhz Radio Receiver & support for surface wall - mounting.
- 2.7 Modulated infrared ray photocells. Weather-proof and mechanically resistant outside container. Pair of photo cells for mounting under the arm between the housing and column.
- 2.8 Two Channel Radio Control with 433.92 Mhz operating frequency. Powered by a 12 V D.C. battery.
- 2.9 The system shall have the below technical specifications:

Technical specifications

Motor supply voltage (Vdc)	:	12
Rated motor power (W)	:	30 - 45
Motor speed (RPM)	:	1100 - 1300
Arm opening width (cm)	:	29 - 41
Maximum arm length (m)	:	2.5 - 3.5
Maximum gate leaf weight (kg)	:	300 - 400
Operating temperature (°C)	:	-20 to 55
Time to open 90° (sec)	:	7.5 - 10
Max. opening angle (°)	:	120° - 140°

3. Maintenance:

The system shall be warranted for a period of 12 months after commissioning the system. To maintain the system in a proper working condition a maintenance contract is strongly recommended.