

Technical SPECIFICATIONS

1 *Actuator*

Type	: A rotary drive unit complete with D.C. motor, speed reducer and electro-mechanical clutch system housed in a waterproof alloy casing.
Motor Voltage Rating	: 15 - 24 volts D.C
Power Consumption	: 25 watts per actuator
Motor Rated Load Speed	: 4,700 rpm
Insulation Resistance	: 1 mega ohm
Actuator Output Speed	: 2.2 rpm
Max. Speed	: 12° - 15° per second
Max. Leaf Opening Angle	: 360°
Max. Leaf Weight Allowed	: 200kg
Casing	: Waterproof and rust resistant cast alloy
Thrust Force	: 1 to 60 kg
External Dimensions	: 240 x 240 x 140 (mm)



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2 *Control Unit*

Type	: Microprocessor with solid state integrated circuit for total control and encased in a weather resistant casing.
Power Supply	: Voltage - 230 volts Current - 13 Amps Frequency - 50 Hz
Timer	: Adjustable to control sequence of motor operations and to cut off current supplies to motor.
External Dimensions	: 310 x 250 x 130 (mm)



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3 *Solenoid Lock*

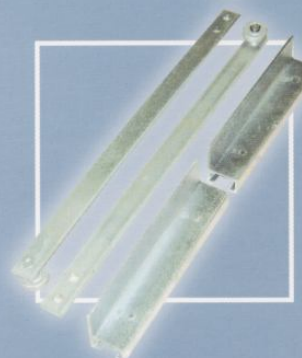
Rated Voltage	: 24 volts D.C.
Locking stopper	: Solid Mild steel coated with hard PVC
Manual Override	: Key operated cam-lock
Dimensions	: 140 x 80 x 70 (mm)



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4 *Actuator Arm & Bracket*

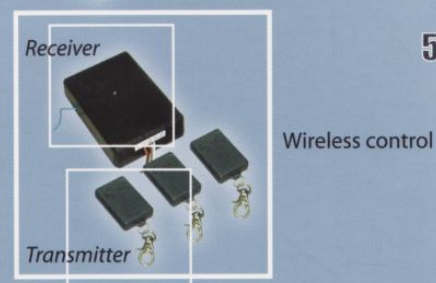
Type	: Nickel-chrome plated iron.
Bearing Serial	: F - 10 - 30A
Arm's Dimensions	: 570 x 25 x 5 (mm)



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5 *Transmitter & Receiver*

Type	: Battery-operated, crystal controlled, frequency modulated radiowave.
Transmission Band	: 330 MHz Citizen Band
Range	: 30 - 50 metres
Dimensions	: 50 x 35 x 12 (mm) - Transmitter 112 x 78 x 30 (mm) - Receiver
Battery	: 3 volts



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RAN-GER®
AUTO GATE SYSTEM

safe, convenient & totally reliable

AUTOMATIC GATE CONTROL SYSTEM *for Swing Gates*



RANGER is a remote controlled automatic gate system specially designed to last and provide comfort. Engineered to be relied upon and built to withstand heavy usage. This versatile system can be installed to existing gates. The drive units of the system are mounted in the ground and thus do not alter the aesthetic appearance of a gate.

After more than a decade since its introduction, the system continues to automate gates around the world. This field-tested testimony of its reliability and robustness is far better than any claims of reliability with reports of 100,000 test cycles within the confines of a laboratory environment.



control your main gate electronically with ranger system

1 Fast Operation - The motor unit that drives the mechanism is amongst the fastest in the industry (8 to 10 seconds for a 90° opening).

2 Silent Operation - A silent D.C. motor unit drives the mechanism with a seemingly effortless operation.

3 Durable and Weather Shield Components - Major components such as the casing and actuator arm are made of tough and rust resistant materials. The motor drive unit itself is housed in a weather and waterproof, aluminum alloy casing.

4 Safety with Anti-Crush - A built-in safety clutch system suspends the motion of the gate should any obstacle be encountered in its path so as to prevent injury or damage.

5 Convenience - The Remote Controls afford convenient operation within the confines of a vehicle from a distance of up to 50 metres. In the event of a power failure, the gate can be manually opened with a key.

6 Foolproof Coding for Security - Because the system is coded, the Lock ensures that once the gate is closed, no unauthorised opening is possible.

7 New and Improved Control Unit - The new control panel incorporates micro-computer technology with a CPU that is well protected from transient voltages and lightning spikes. With this control unit, gates cushion to a gentle halt.

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