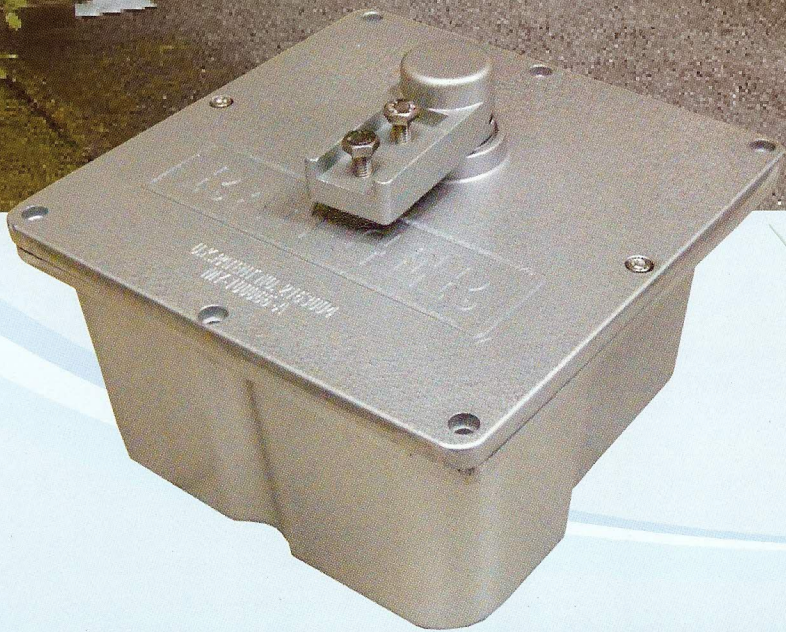


RAN-GER



RANGER underground 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.



**Oil-Bath
Gears**



**High
Security**

FAST AND SILENT OPERATION

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

SILENT OPERATION

Silent D.C motor unit drives the mechanism with a seemingly effortless operation.

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, aluminium alloy casing.

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.

CONVENIENCE

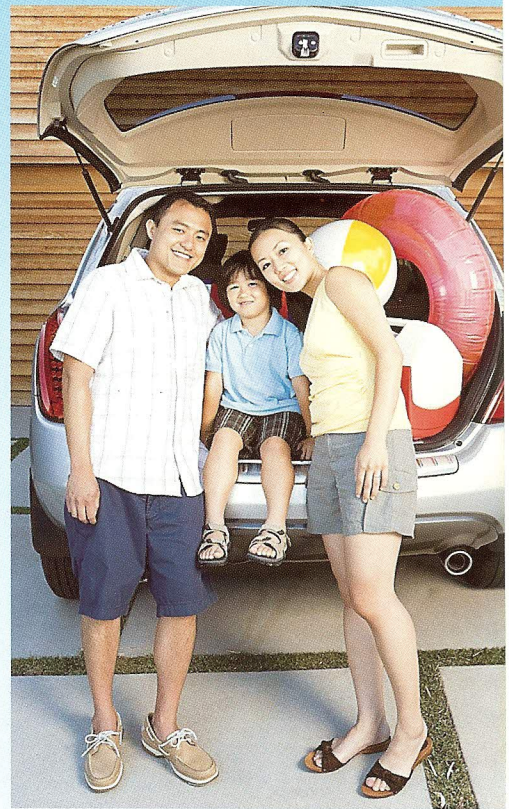
The remote Controls afford convenient operation within the confines of a vehicle from a distance of up to 50 meters. In the event of a power failure, the gate can be manually opened with a key.

FOOLPROOF CODING FOR SECURITY

Because the system is coded, the lock ensures that once the gate is closed, no unauthorised opening is possible.

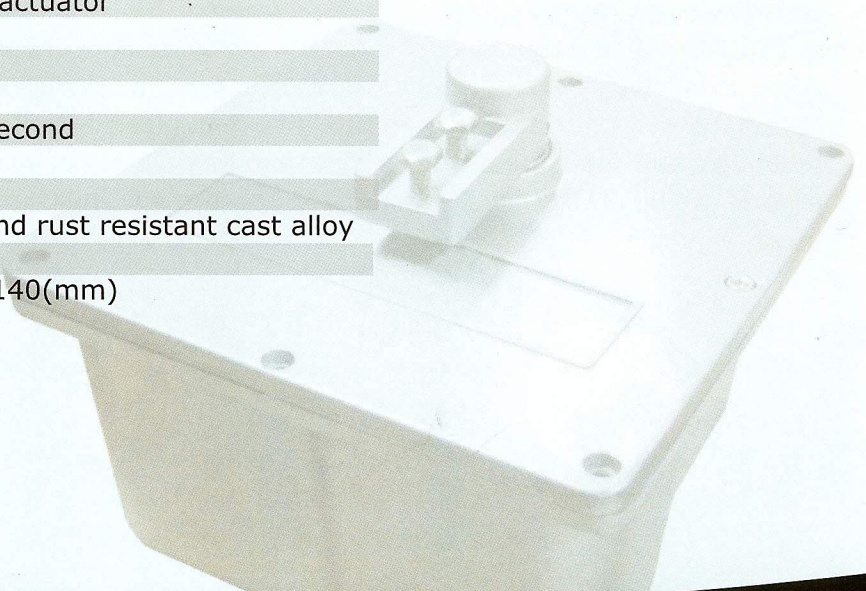
NEW AND IMPROVED CONTROL UNIT

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



Specification

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	:12-24 volts D.C
Power Consumption	:25 watts per actuator
Motor Rated Load Speed	:4,700 rpm
Insulation Resistance	:1 mega ohm
Actuator Output Speed	:2.2rpm
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 Dimension	:240 x 240 x 140(mm)



RAN-GER
Underground Motor