



Signal

Field Tested & Proven System

AUTOMATIC GATE CONTROL SYSTEM



- SAFE
- CONVENIENT
- TOTALLY RELIABLE



Signal SWING GATE SYSTEM
RELIABLE & LASTING AUTOMATION



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Signal GATE OPERATORS

RELIABLE AUTOMATION FOR SWING GATES

GRANTED PATENTS IN:

Malaysia

Patent No: MY 100065A

United Kingdom

Patent No: GB 2153004B

Japan

Patent No: 1742595

Signal is a remote controlled automatic gate system specially designed to provide comfort and lasting automation to you. Engineered to be relied upon and built to withstand heavy usage. This versatile system can be installed to existing gates of your home or factory. The drive units of the system are mounted in the ground and out of sight and thus do not alter the aesthetic appearance of a gate.

After more than a decade since its introduction, the system continues to automate more and more 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 with the confines of a lab environment.

The system also offers you:

FAST OPERATION

The motor unit that drives the mechanism has among the fastest operation speed in the industry – 8 to 10 seconds for a 90° turn.

SILENT OPERATION

A silent D.C. motor unit drives the mechanism to provide a seemingly effortless operation.



DURABLE AND WEATHER SHIELD COMPONENTS

Major component parts such as casing and actuator arm are made of tough, enduring and rust resistant materials. The motor drive unit itself is housed in a weather and waterproof, aluminium alloy casing.

SAFETY WITH ANTI-CRUSH

An inbuilt safety clutch system suspends the motion of the gate should any obstacle be encountered in its path. During the closing or opening sequence, the friction clutch will automatically operate to prevent injury or damage.

CONVENIENCE

The coded transmitter affords convenient operation within the confines of a vehicle (even with windows wound up) from a distance of 30 to 50 metres. In the event of a power failure, the gate can be opened manually with ease with a special passkey.

FOOLPROOF CODING FOR SECURITY

Because the system is coded, the D.C. Lock ensures that once the gate is closed, no unauthorised opening is possible. The special code enables the gate to be opened only with your transmitter or passkey.



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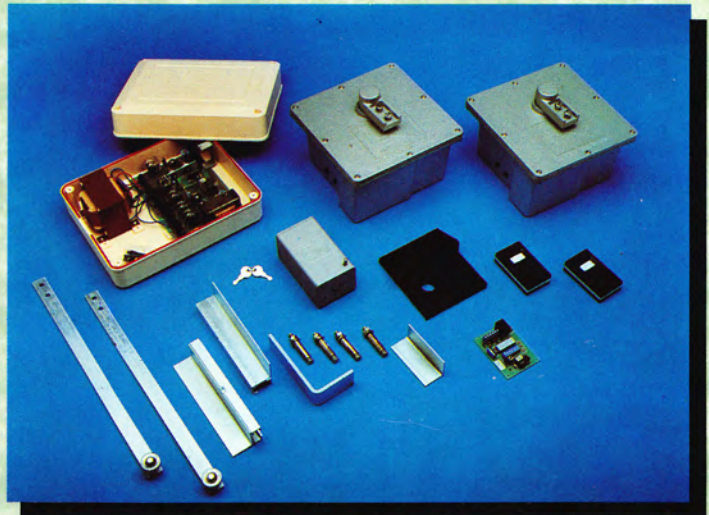


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AUTOMATIC SWING GATE ACCESSORIES

The standard accessories of an automatic swing gate system:

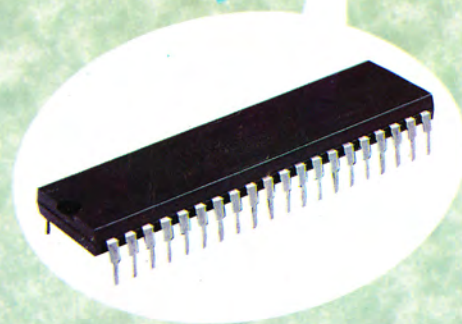
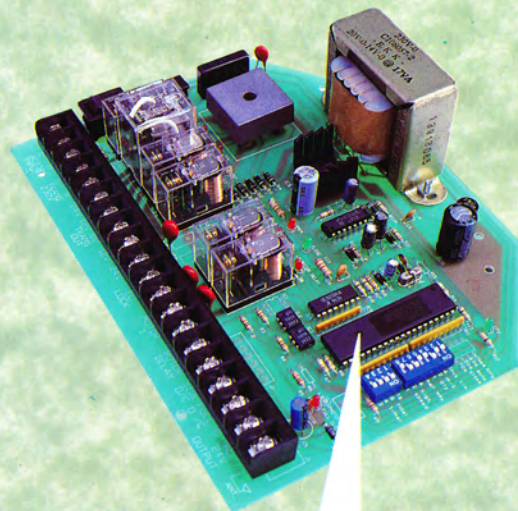
A. Actuator	2 units
B. Control Unit	1 set
C. Actuator Arm & Bracket	1 set
D. Solenoid Lock	1 set
E. Remote Control	1 set



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 will not bang the sides loudly but cushion to a gentle halt even if the gates are opened and immediately closed or opened and closed at any given angles. The control unit also provides these extra features where some are user-programmable or selectable.

1. Auto-reserve triggerable by photo-sensor for double safety.
2. Close only from outside the house compound with a button switch.
3. Auto-close with user-programmable timer.
4. Selectable gate opening or closing angles at the push of a button.
5. One-leaf opening of gate for pedestrian entrance.
6. Auto-light with timer.



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TECHNICAL SPECIFICATIONS

Actuator		Control Unit	
Type	: A rotary drive unit complete with D.C. motor, speed reducer and electro-mechanical clutch system housed in a waterproof alloy casing.	Type	: Uses state of the art micro-processor with solid state integrated circuit for total control and encased in a weather resistant casing.
Motor Voltage Rating	: 15 – 24v Direct Current (DC)	Power Supply	: Voltage – 230v Current – 13 Amps Frequency – 50 Hz
Power Consumption	: 25 watt per actuator	Timer	: Adjustable to control sequence of motor operations and to cut off current supplies to motor instead of using limit switches.
Motor Rated Load Speed	: 4,700 rpm	External Dimensions	: 310mm x 250mm x 130mm
Insulation Resistance	: 1 mega ohm	Actuator Arm & Bracket	
Actuator Output Speed	: 2.2 rpm	Type	: Nickel-chrome plated iron
Angular Speed	: 12° – 15° per second	Bearing Serial	: F – 10 – 30A
Closing Speed (for a 90° turn)	: 8 – 10 seconds	Arm's Dimensions	: 570mm x 25mm x 5mm
Max. Leaf Opening Angle	: 360°	Transmitter	
Max. Leaf Weight Allowable	: 200 kg.	Type	: Battery-operated, crystal controlled, frequency modulated radioware, using approved citizen band.
Casing	: Waterproof and rust resistant cast alloy	Transmission Band	: 27.14 MHz Citizen Band
Thrust Force	: 0 to 60 kg.	Range	: Effective – 30 metres Maximum – 50 metres
External Dimensions	: 240mm x 240mm x 140mm	Dimensions	: 97mm x 56mm x 22mm
Solenoid Lock		Battery	: Single 9v – under normal usage, the battery should last six months.
Rated Voltage	: 24v Direct Current (DC)		
Locking Stopper	: Solid mild steel coated with hard PVC		
Manual Override	: Key operated cam-lock to enable manual operation in the event of power failure.		
Dimensions	: 140mm x 80mm x 70mm		

Signal's continuous development programmes may bring specification changes and the right is reserved to make such changes without notice.

For more information, please contact:

SOLE AGENT:



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