



Product Range

SIGNAL Main Features **Fast and Silent Operation**

Anti-Crush Safety Feature

Durable and Weatherproof

Fullproof Security

Remote Control Convenience

New and Improved Control Unit

The D.C. motor unit that drives the mechanism has the fastest operation speed in the industry - 8 to 10 seconds for a 90° turn and yet it is exceptionally quiet in operation.

A built-in safety clutch system suspends the movement of the gate should it encounter any obstacle in its path to prevent injury or damage.

Major component parts are made of tough, durable and rust-resistant materials and the motor drive unit is housed in a weatherproof aluminum alloy casing.

The D.C. lock ensures that once the gate is closed, no unauthorized opening is possible. This will enable the gate to be opened only with a transmitter or a passkey.

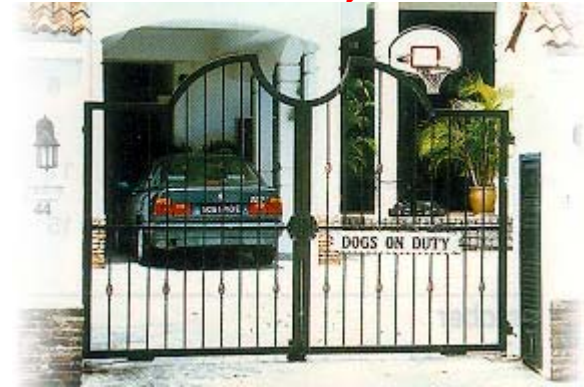
The coded transmitter allow convenient operation in a vehicle from a distance of 30 to 50 meters. In the event of a power failure, the gate can be manually opened with ease through the use of a special passkey.

The new control unit incorporates a microprocessor capable of opening and closing gates at any angle and also provides extra user-programmable features such as close from outside, auto-close timer, selectable gate opening and closing angle, one-leaf opening and auto-light timer.

Automatic Swing Gate Control System



Field Tested and Proven System Gate



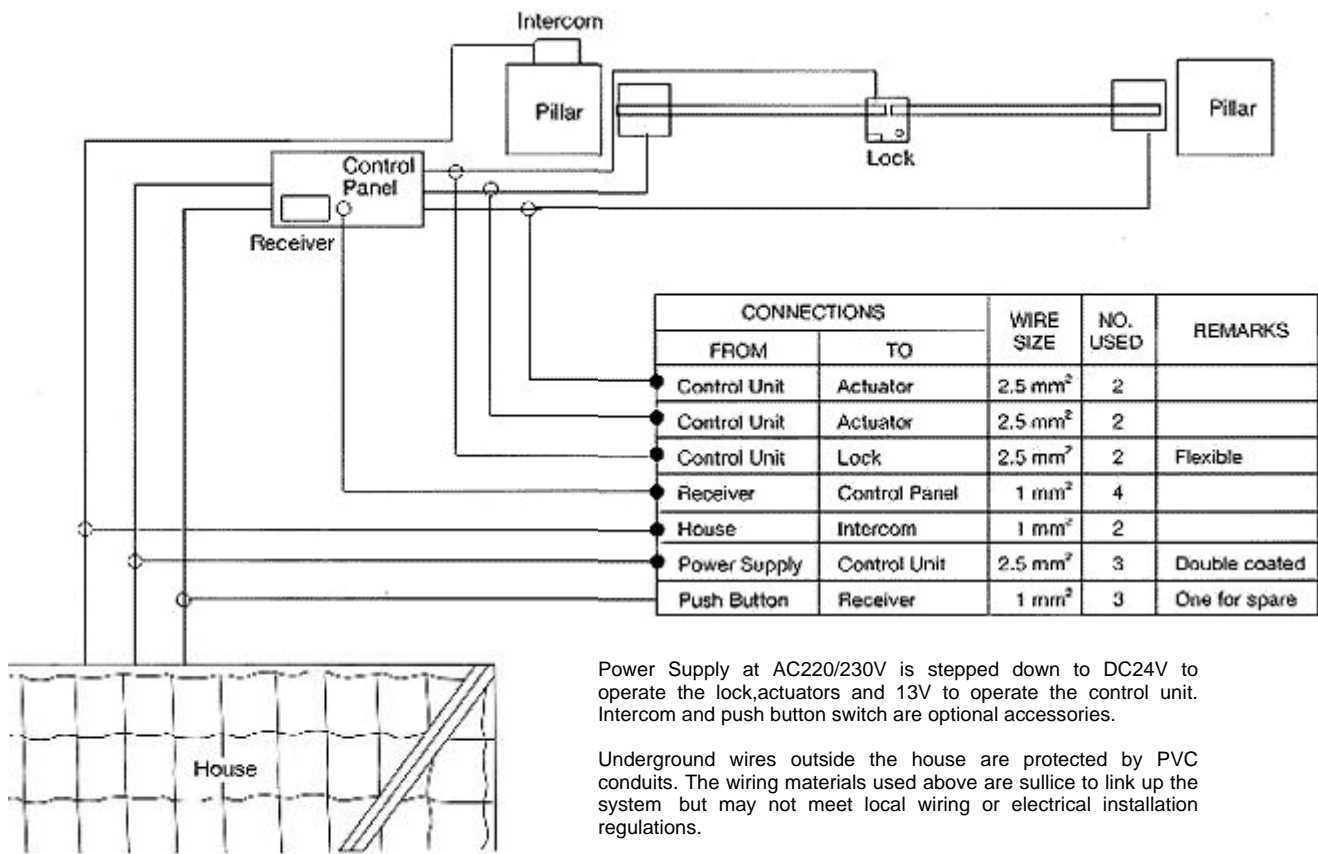
Swing Folding Gate



Swing Folding Gate



Wiring of A Signal Swing System



Power Supply at AC220/230V is stepped down to DC24V to operate the lock, actuators and 13V to operate the control unit. Intercom and push button switch are optional accessories.

Underground wires outside the house are protected by PVC conduits. The wiring materials used above are suitable to link up the system but may not meet local wiring or electrical installation regulations.

Technical Specifications

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 - 24v Direct Current (DC)
- Power Consumption : 25 watt per actuator
- Motor Rated Load Speed : 4,700 rpm
- Insulation Resistance : 1 mega ohm
- Actuator Output Speed : 2.2 rpm
- Angular Speed : 12° - 15° per second
- Closing Speed (for a 90° turn) : 8 - 10 seconds
- Max. Leaf Opening Angle : 360°
- Max. Leaf Weight Allowable : 200 kg
- Casing : Waterproof and rust resistant cast alloy
- Thrust Force : 0 to 60 kg
- External Dimensions : 240mm x 240mm x 140mm

Solenoid Lock

- 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.

Control Unit

- Type : Uses state of the art microprocessor with solid state integrated circuit for total control and encased in a weather resistant casing.
- Power Supply : Voltage - 230v
Current - 13 Amps
Frequency - 50 Hz
- Timer : Adjustable to control sequence of motor operations and to cut off current supplies to motor instead of using limit switches.
- External Dimensions : 310mm x 250mm x 130mm

Actuator Arm & Bracket

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

Transmitter

- Type : Battery-operated, crystal controlled, frequency modulated radioware, using approved citizen band
- Transmission Band : 330 MHz
- Range : Effective - 30 metres
Maximum - 50 metres
- Dimensions : 33mm x 52mm x 10mm
- Battery : Single 12v - under normal usage, the battery should last six months.

Standard Packing for Overseas Customers Information

Size: 502mm x 257mm x 203mm

Weight: 30 kg