



**AUTOGATE SYSTEM**

- New improved motor
- More advanced control panel
- More reliable with added stable operations
- With additional safety precaution

COMPLETE WITH  
**RADION**  
Swing Gate System  
That Makes  
**Your Life Easier**



**M-SERIES**

(12) U.K. Patent (19) GB (11) 2269428 (13) B  
MY-110482-A

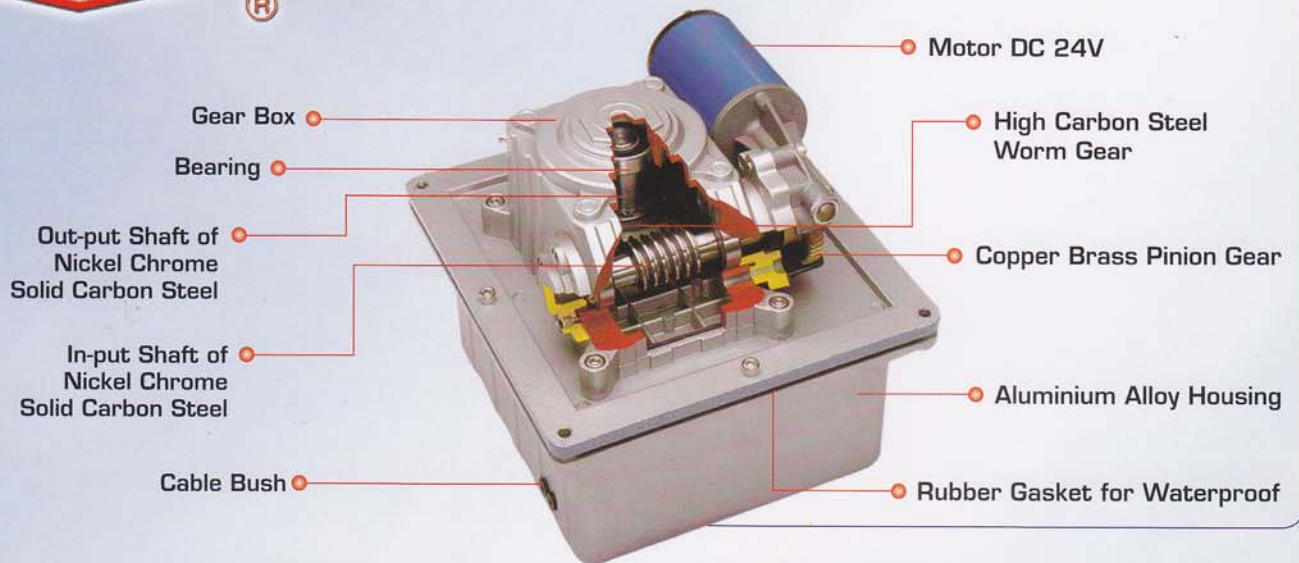
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## Section

## RADION Swing Gate Operator



(12) U.K. Patent (19) GB (11) 2269428 (13) B  
MY-110482-A

**RADION** ... It's the simple things that make your life easier

- ❖ Our Company has been dedicated to Auto gate business for more than 20 years in servicing and manufacturing.
- ❖ We are a complete manufacturing company starting from design, assembly and final testing of Auto gate, Auto door system and automatic barrier gate system.
- ❖ We are one-stop house for all accessories and spare-parts.

### Auto Gate Systems

- Its state of the art technology and reliability ensure excellent performance for the customers.
- Not only it can ensure the safety of the household but it also avoids the hassle of getting into their driveway especially on rainy days.

The Automatic Gate that surpasses others in  
**QUALITY, RELIABILITY & DURABILITY**

### Why are Radion so popular in the market ?

- ❖ We use good quality materials to make our auto gate system to perform up to the expectation of the customer and will have a longer life span. We use imported DC 12/24V motor. The control panel has speed adjustment capability (high speed and low speed). The Torque Limited Device which is designed by **RADION** is a **United Kingdom** and **Malaysia** patented. In fact, we use the state of art technology to assemble our products so as to ensure efficiency and effectiveness.
- ❖ The speed of our auto gate operator is faster than any other brands available in the market and with its unique features for the end user.
- ❖ Another reason why our auto gate system is so popular in the market is that we provide excellents after sales services.
- ❖ The DC 24V motor used in our automatic swing gate system is imported from overseas. Our factory assemble the motor with other parts to produce quality automatic gate actuator.

### Special Features of RADION Auto Gate System :

- ❖ It enable a gate of about 4.0 meter to be opened in 6 to 8 seconds.
- ❖ This auto gate system allows the resident to get into their driveway without much hassle (do not have to get down to open the gate).

model

# M1



Adjustable screw (10mm) stainless steel  
(force is increased or decreased)

model

# M2



## Actuator

**TYPE:** A torque limiting drive unit with D.C. motor, speed reducer and Nylon Bush, which grips between an output shaft and arm connected to a gate. The pressure exerted by the bush and the shaft is adjustable by radially tightening the bush with screws system.

<b>Motor Voltage Rating</b>	: 12-24V Direct Current, (D.C)
<b>Power Consumption</b>	: 25 watt per Actuator
<b>Motor Rated Load Speed</b>	: 4600 rpm
<b>Insulation Resistance</b>	: 1.5 mega ohm
<b>Closing Speed (from 90° angle)</b>	: 6-8 sec
<b>Max. Leaf Opening Angle</b>	: 180°
<b>Max. Leaf Weight Allowable</b>	: 200 kg
<b>Driving Shaft</b>	: Nickel chrome plated solid steel shaft.
<b>Casing</b>	: Waterproof and rust resistance cast alloy
<b>Trust Force</b>	: = 50 kg
<b>External Dimensions</b>	: 255mm(L) x 240mm(W) x 125mm(H)

## Actuator Arm & Bracket



**TYPE:** Nickel-chrome plated mild steel  
**Bearing Serial** : Fuji-10-30A  
**Arm Dimension** : 485mm(L) x 25mm(W) x 5mm(H)

## Control Panel (5 Amp fuse)

**TYPE:** Using State-of-the-art Microprocessor for reliable control and encased in weather resistant ABS casing.

**Power Supply** : 230VAC, 5Amps, 50 HC

Power supply is step down to 24V direct current to operate control panel, receiver, motors and electronic lock

- Dual speed gate control
- Automatic lighting control
- one gate-leaf operation available
- Half-way-stop operation selectable
- Battery backup with charges (Optional)
- Control to stop immediately at anytime when gate is moving

**External Dimension** : 310mm(L) x 250mm(W) x Depth-60  
**Weight** : 5 kg



## Solenoid Lock with Lock Keeper

**TYPE:** This Lock is applicable for both outward and inward swing gates.

- Rated Voltage** : 24V direct current (D.C.)  
**Lock Keeper** : Solid mild steel with PVC protective coating.  
**Spring** : Stainless steel.  
**Manual Override** : Key operated cam-lock to enable manual operation in the event of power failure.  
**Dimensions** : 115mm(L) x 70mm(W) x 55mm(H)



L-Plate & Angle Plate and Keeper Screws

## Transmitter and Receiver

**TYPE:** Battery-operated, crystal controlled frequency. Modulated radiowave.

**2 Channel / Remote Control**

**Range** : Effective-40m

**Passcode** : Set by 8X3 ways switches easily accessible and changed by owner

**Battery** : Under normal usage, a 12V battery should last 6 months

**Case Size** : 50mm(L) x 35mm(W) x 12mm(H)

**Weight** : 0.3 kg



## Complete Unit Package



2 motor actuators, a control box and complete accessories are firmly packed in moulded polystyrene foam material with an external box cover. Hence it is compact, easier to carry and no damage will be done due to transport handling.

**External Dimension** : Length - 520 mm  
Width - 270 mm  
Height - 235 mm  
Weight - 22 kg

You should find the following items in our standard packing:  
a) 2 swing gate motor actuators  
b) One set of solenoid lock & locking keeper  
c) Actuator arm & bracket and extra

**RADION ... it's the simple things that make your life easier !**



REGISTERED RADION BRAND



A TORQUE LIMITING DEVICE  
MALAYSIA CERTIFICATE OF  
GRANT OF A PATENT  
MY-110482-A



SOLENOID LOCK  
MALAYSIA CERTIFICATE OF  
GRANT OF A PATENT  
MY-111170-A

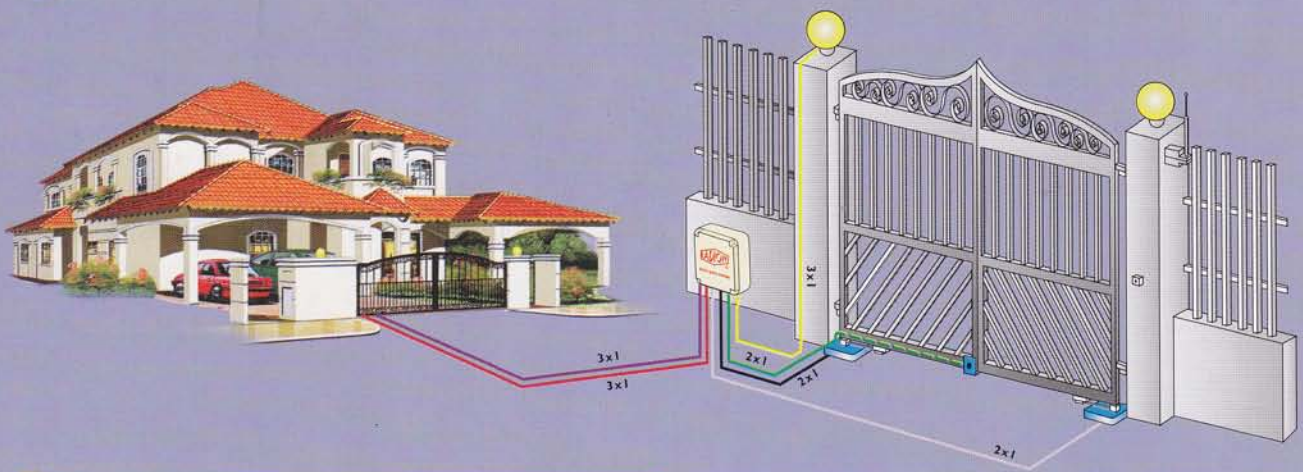


A TORQUE LIMITING DEVICE  
UNITED KINGDOM CERTIFICATE  
OF GRANT OF A PATENT  
(12)U.K. PATENT(19)GB(11)2269428(13)B

**RADION is a High Automatic Gate System for The Niche Market. Our swing gate systems are UK and Malaysia patented.**

- ❖ Only high durable metal and materials are used in our actuators viz high carbon steel gear, copper gear, nickel chrome solid carbon steel shafts.
- ❖ Actuator are made to last, existing actuators of over 15 years are still in good working conditions and been used in the market.
- ❖ With substantial Research and Development, - latest and state of art technology are used to ensure RADION automatic gate system are among the best in the world, weather proof and tropicalised.
- ❖ Micro processor with solid state integrated circuit protects the panel from lightning and current spikes.
- ❖ Our patented solenoid locks are the hallmark for autogate industries and are been imitated by others.
- ❖ RADION Autogate are user friendly, even kids can operate the system.
- ❖ Strict Quality Control in work in progress to ensure impeccable finished products so as to have satisfied customers.
- ❖ Efficient after sale service for many years to come give 'RADION' owner complete peace of mind and fullest satisfaction.

**Arrangement of Electrical Installation**



For enquiries, please contact:

**Model : MI & M2**

	PARTICULARS	WIRES
	Power supply at AC 230V is stepped down to DC 24V to operate the Control Unit Actuator, Receiver and the Solenoid Lock, and Push Button Switch are optional.	2.5mm
	Control Box, Control Panel, Transformer and Receiver	
	Indoor Push Button	1.5mm
	Actuator No.2 ( With Lock )	1.5mm
	Actuator No.1	1.5mm
	Solenoid Lock	1.5mm
	Pillar Light	1.5mm

Specifications are subject to change without prior notice