



SWING GATE AUTOMATIC SYSTEM

A circular inset image showing a close-up of a printed circuit board (PCB) with various electronic components and traces.

The Latest Technology in AUTO GATE SYSTEM



SLIDING GATE AUTOMATIC SYSTEM

model **SE 1**



model **SE 2**



SLIDING GATE AUTOMATIC SYSTEM

model **SL 8**



DC MOTOR 24V

STATE OF THE ART MICRO-COMPUTER CONTROLLER

Advanced Features

- 1) Auto-reverse on closing if it hits an obstacle
- 2) Stopping on opening if it hits an obstacle
- 3) Control to stop immediately at any time when gate is moving
- 4) Battery backup with chargers (optional)
- 5) Limit switch N.C./N.O. selectable (using micro-switch)
- 6) Automatic lighting control with optional photo sensor
- 7) Dual lighting mode control: Follow or delay selectable
- 8) Led indications for easy installation and fault diagnosis
- 9) Photo Electric beam control input available
- 10) Dual Speed operation for fast/cushioning effect
- 11) Adjustable forcing sensing trimmer for high and low speed
- 12) Emergency release key in case of power failure
- 13) Auto close feature available (for safety, to be used with photocell)

• External Dimension : 270mm(L) x 140mm(W) x 245mm(H)

TRANSMITTER AND RECEIVER

Type : Battery-operated, crystal controlled frequency. Modulated radio wave
 Range : Effective 40m
 Passcode : Set by 8X3 ways switches easily accessible and change by owner
 Battery : Under normal usage, a 12V. battery should last 6 months
 Case Size : 50mm(L) x 35mm(W) x 12mm(H)

GEAR RACK

• Module = 4 • 4 pcs in 1 carton • Galvanized • 1005mm x 30mm x 12mm • Weight : 10 kg

model **EX3**



AC MOTOR 240V [with built-in control panel]

STATE OF THE ART MICRO-COMPUTER CONTROLLER

Advanced Features

- 1) Auto-reverse on closing if it hits an obstacle
- 2) Stopping on opening if it hits an obstacle
- 3) Control to stop immediately at any time when gate is moving
- 4) Limit switch N.C./N.O. selectable (using micro-switch)
- 5) Automatic lighting control with optional photo sensor
- 6) Dual lighting mode control: Follow or delay selectable
- 7) Led indications for easy installation and fault diagnosis
- 8) Photo Electric beam control input available
- 9) Adjustable forcing sensing trimmer
- 10) Emergency release key in case of power failure
- 11) Auto close feature available (for safety, to be used with photocell)
- 12) Integrated Control board with motor

• External Dimension : 260mm(L) x 195mm(W) x 277mm(H)

TRANSMITTER AND RECEIVER

Type : Battery-operated, crystal controlled frequency. Modulated radio wave
 Range : Effective 40m
 Passcode : Set by 8X3 ways switches
 Battery : Under normal usage, a 12V. battery should last 6 months
 Case Size : 50mm(L) x 35mm(W) x 12mm(H)

GEAR RACK

• Module = 4 • 4 pcs in 1 carton • Galvanized
 • 1005mm x 30mm x 12mm • Weight : 10 kg

SWING GATE AUTOMATIC SYSTEM

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.

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

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

Power Supply	: 230VAC, 5Amps, 50 Hz
Motor Output	: Two speed gate control 24V D.C. for fast speed and 12V D.C. for slow speed control by timer
Normal Operation	: One or two gate-leaf control by the indoor pushbutton and remote control
Battery backup with charges (Optional)	
Automatic lighting control available	
External Dimension	: 310mm(L) x 250mm(W) x Depth-60

TRANSMITTER AND RECEIVER

TYPE : Battery-operated, crystal controlled frequency. Modulated radio wave.

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)



★ **More Features**

★ **New Improved Motor**

★ **More Advanced Control Panel**

★ **More Reliable with Added Stable Operation**

★ **With Additional Safety Precautions**



Heavy Duty AC MOTOR 230V

STATE OF THE ART MICRO-COMPUTER CONTROLLER

Advanced Features

- 1) Auto-reverse on closing if it hits an obstacle
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- 3) Control to stop immediately at any time when gate is moving
- 4) Limit switch N.C./N.O. selectable (using micro-switch)
- 5) Automatic lighting control with optional photo sensor
- 6) Dual lighting mode control: Follow or delay selectable
- 7) Led indications for easy installation and fault diagnosis
- 8) Photo Electric beam control input available
- 9) Adjustable forcing sensing trimmer
- 10) Emergency release key in case of power failure
- 11) Auto close feature available (for safety, to be used with photocell)

• **External Dimension** : 260mm(L) x 150mm(W) x 240mm(H)

TRANSMITTER AND RECEIVER

Type	: Battery-operated, crystal controlled frequency. Modulated radio wave
Range	: Effective 40m
Passcode	: Set by 8X3 ways switches easily accessible and change by owner
Battery	: Under normal usage, a 12V. battery should last 6 months
Case Size	: 50mm(L) x 35mm(W) x 12mm(H)

GEAR RACK

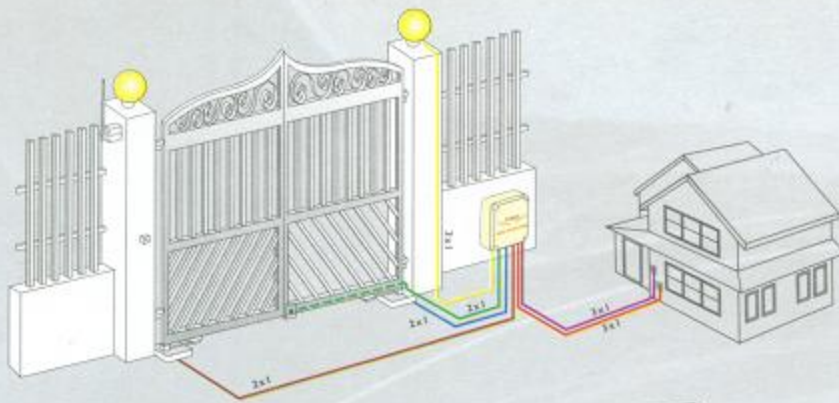
- Module = 4 • 4 pcs in 1 carton • Galvanized
- 1005mm x 30mm x 12mm • Weight : 10 kg



AC MOTOR 230V



ARRANGEMENT OF ELECTRICAL INSTALLATION

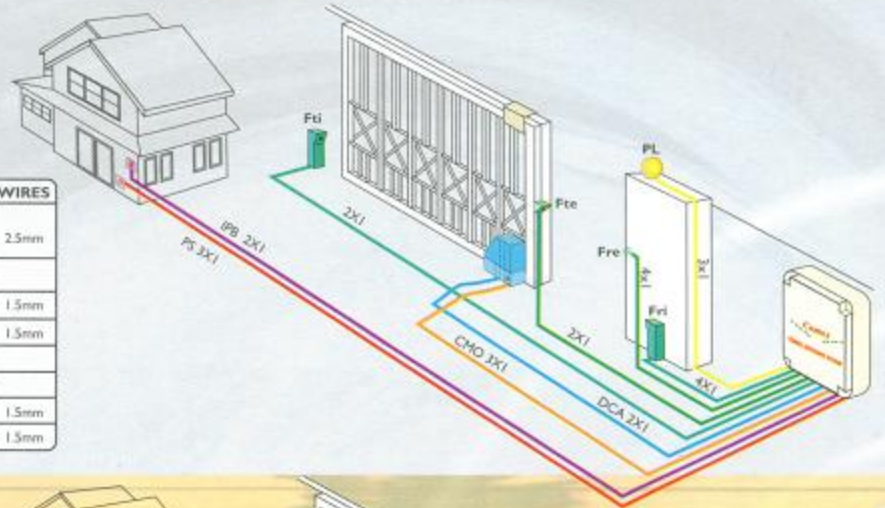


Model: **SE1, SE2**

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

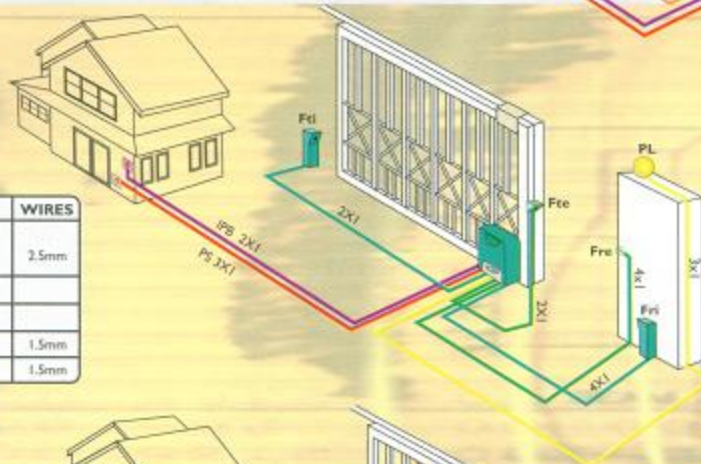
Model: **SL8**

PARTICULARS		WIRES
	PS Power supply AC 230V is step down to DC 12/24V to operate the Control Panel, Actuator, Receiver, Micro Switch and Push Button Switch are optional	2.5mm
	Control Box, Control Panel, Transformer and Receiver	
	DCA D. C. Actuator 12/24V	1.5mm
	CMO Close, Com. Open (micro switch)	1.5mm
	Fte - Fre Pair of photo cells external Transmitter and Receiver (optional)	
	Fti - Fri Pair of photo cells internal Transmitter and Receiver (optional)	
	IPB Indoor push button	1.5mm
	PL Pillar Light	1.5mm



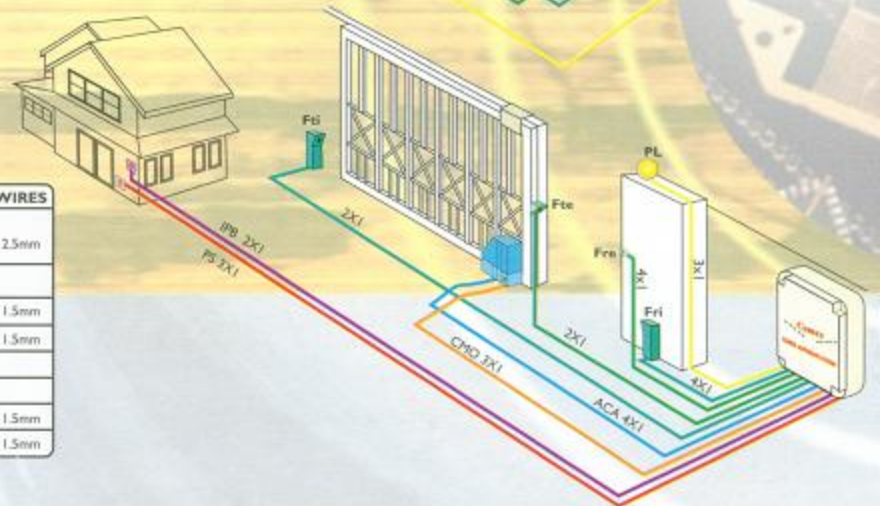
Model: **EX 3 (Built-in System)**

PARTICULARS		WIRES
	PS Power supply AC 230V operate the Control Panel, Actuator, Receiver, Micro Switch and Push Button Switch are optional	2.5mm
	Fte - Fre Pair of photo cells external Transmitter and Receiver (optional)	
	Fti - Fri Pair of photo cells internal Transmitter and Receiver (optional)	
	IPB Indoor push button	1.5mm
	PL Pillar Light	1.5mm



Model: **EX 5, EX 6**

PARTICULARS		WIRES
	PS Power supply AC 230V operate the Control Panel, Actuator, Receiver, Micro Switch and Push Button Switch are optional	2.5mm
	Control Box, Control Panel, Transformer and Receiver	
	ACA Actuator AC 230V	1.5mm
	CMO Close, Com. Open (Limit switch)	1.5mm
	Fte - Fre Pair of photo cells external Transmitter and Receiver (optional)	
	Fti - Fri Pair of photo cells internal Transmitter and Receiver (optional)	
	IPB Indoor push button	1.5mm
	PL Pillar Light	1.5mm



Models	Power Supply	Motor Speed	Rated Power	Output Torque	Max. Gate Weight	Limit Switch	Drive Type	Opening Speed	Working Temperature	Control Panel
Comex SL8	DC24V	4200rpm	200 W	18 N.m	800 KG	Spring Switch	Gear Wheel 13 T	26 m/min	25°C - 70°C	SL8
Comex EX5	220-240V, 50/60Hz	1250rpm	400 W	18 N.m	1600 KG	Spring Switch	Gear Wheel 19 T	10 m/min	25°C - 70°C	EX5
Comex EX5m	220-240V, 50/60Hz	1250rpm	400 W	18 N.m	1600 KG	Magnetic Switch	Gear Wheel 24 T	12 m/min	25°C - 70°C	EX5
Comex EX6	220-240V, 50Hz	1500rpm	160 W	7 N.m	800 KG	Spring Switch	Gear Wheel 13 T	10 m/min	25°C - 70°C	EX5
Comex EX3	220-240V, 50Hz	1250rpm	150 W	≥ 14 N.m	800 KG	Magnetic Switch	Gear Wheel 19 T	10,5 m/min	-20°C - +60°C	Built-in

For enquiries, please contact: