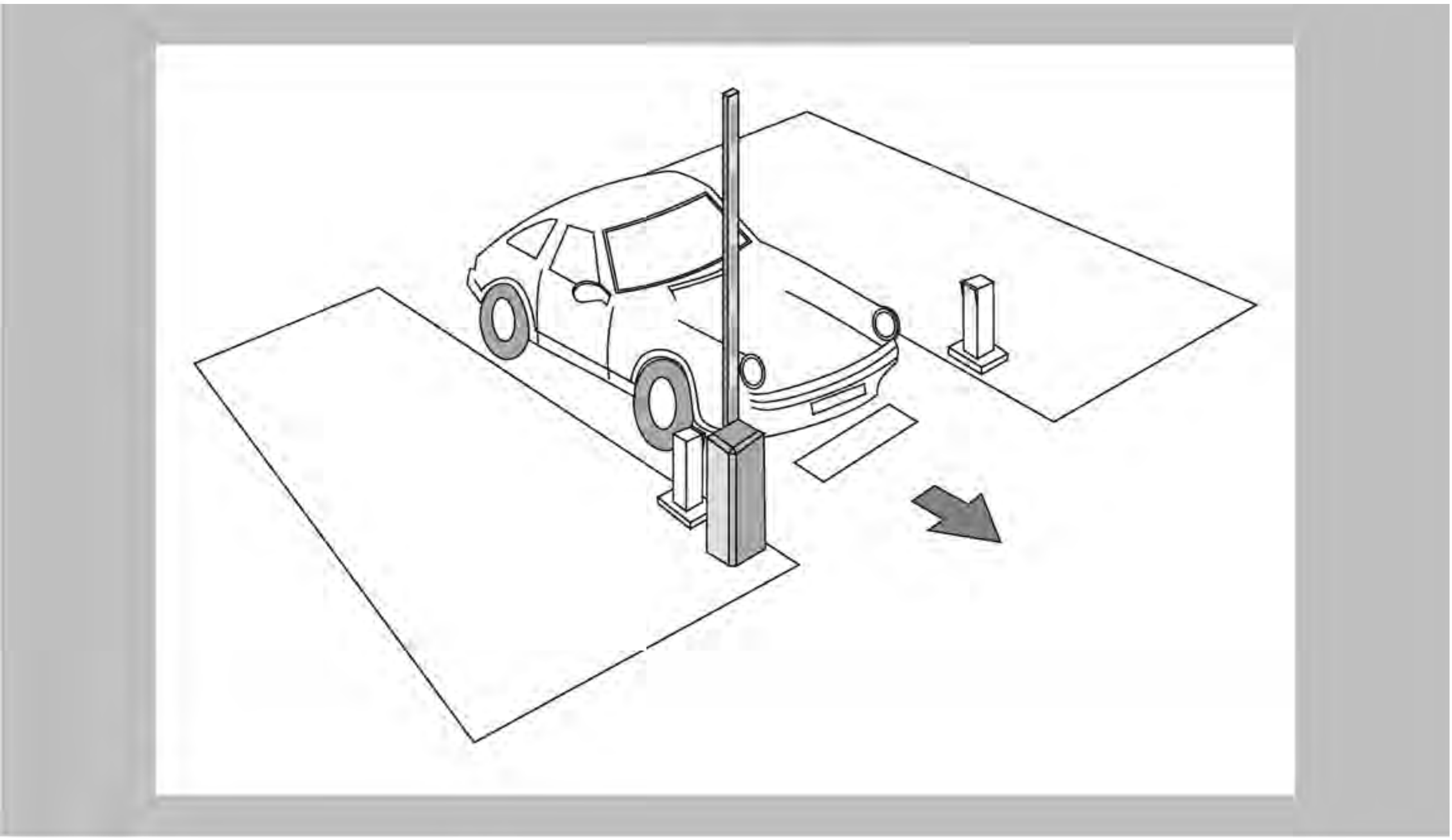
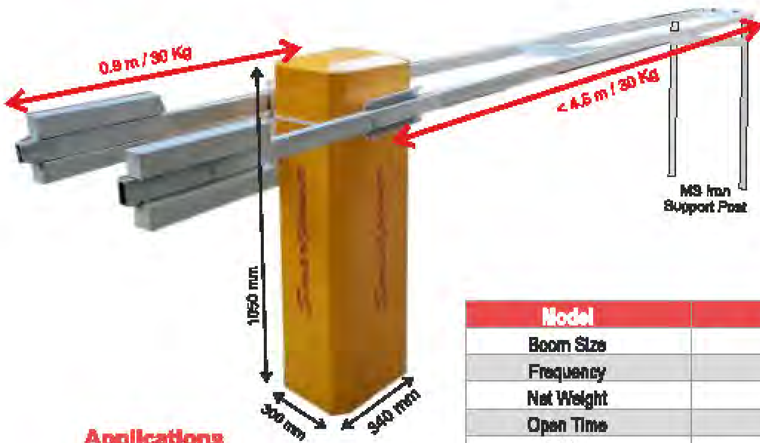
Smartpower

Boom Barrier SP BB Anti Crash



Anti Crash Boom Barrier

For Embassy, Defence & Govt., Hotels



Control Panel (OPEN / STOP/CLOSE)
& 2 nos Remote with Built in receiver

Applications

- High Security & Defence Area Embassy - Hotels - Warehouse

Features

- Anti Crash Heavy Duty MS Iron Boom
- MS Iron Post Support
- 30 kg Boom & 30Kg counter balance
- Un Breakable Boom & Post
- Manual Operation on power fail
- Heavy duty Motor
- Heavy duty balanced spring
- Thermal Protection

Model	SP BB ANTI CRASH
Boom Size	< 4.5 M
Frequency	50 Hz
Net Weight	80 Kg.
Open Time	6-8 Sec
Motor	Geared (Electro Mechanical)
Motor Load	120 W
Body	Water Proof
Other Accessories	Remote Controller x 2 no.s & Clutch Keys for Manual Operation
MS (IRON) Boom	Anti Crash MS (Iron)Double Boom < 4.5 m/30 Kg with 0.9 M / 30 Kg Counter Balance Load
Boom Motion Control	By Balanced Spring system
Remote Distance	< 30 Mt
Boom Color	White With RED Radium Strips
Optional	Photo Cell

* Specification are subjected to change for improvements

Automatic Boom Gates are not for Pedestrians!

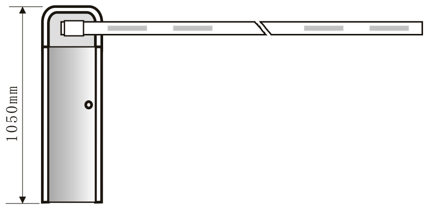
Automatic gate openers on designed for vehicular traffic. They are powerful and can cause serious bodily injury or death. Accordingly, direct all pedestrian traffic to a separate walk-through gate.

1.Before starting installation and operation or maintenance, cut off power supply.
2.The product must be earthed, And an earth leakage breaker is necessary on the power supply.
3.As for electric cable type and section, we suggest to use the cable type of <HAR> with minimum section of 2.0mm^2
4.Do not change the original inside wiring.
5.If power failure, please switch off the power supply first, then open the door and rotate the handle on the motor manually to open the boom completely.
6.Keep the automatic control (push-button, remote control, etc) out of the reach of children. The control system must be installed at a minimum height of 1.5m from the ground surface.
7.Use transmitters or button only where you can see the gate clearly.
8.Never open the door or the cover of the cabinet when the machine is working.9.Do not permit children to play on or around a gate.

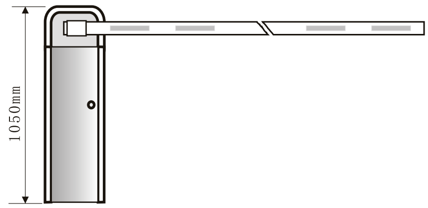
Automatic Gates are Not for Pedestrians!

Automatic gate openers are designed for vehicular traffic. They are powerful Accordingly, direct all pedestrian traffic to a separate walk- through gate.

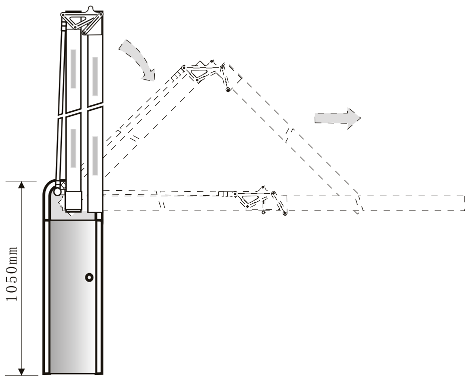
A. Technical specifications



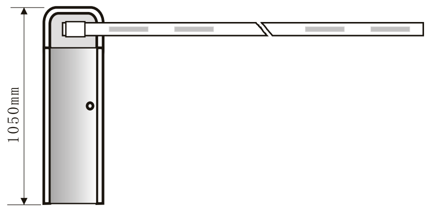
Max boom length: 3M
Power supply: 220V/50Hz 120W
Absorbed current: 0.8A
Capacitor: 10μF
Time for up/down: 1.6S



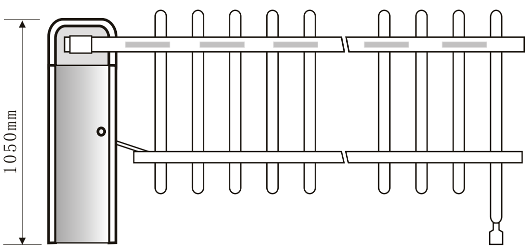
Max boom length: 6M
Power supply: 220V/50Hz 180W
Absorbed current: 1A
Capacitor: 16μF
Time for up/down: 6S
Thermal protection on motor winding: 125°



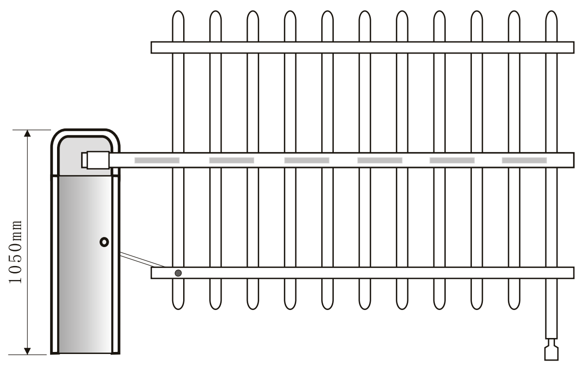
Max boom length: 5M
Power supply: 220V/50Hz 180W
Absorbed current: 1A
Capacitor: 16μF
Time for up/down: 6S
Thermal protection on motor winding: 125°



Max boom length: 8M
Power supply: 220V/50Hz 180W
Absorbed current: 1A
Capacitor: 20μF
Time for up/down: 9S
Thermal protection on motor winding: 125°



Max boom length: 5M
Power supply: 220V/50Hz 180W
Absorbed current: 1A
Capacitor: 16μF
Time for up/down: 6S
Thermal protection on motor winding: 125°



Max boom length: 5M
Power supply: 220V/50Hz 180W
Absorbed current: 1A
Capacitor: 16μF
Time for up/down: 6S
Thermal protection on motor winding: 125°

B. Installing and adjusting

1. Install the machine on the ground

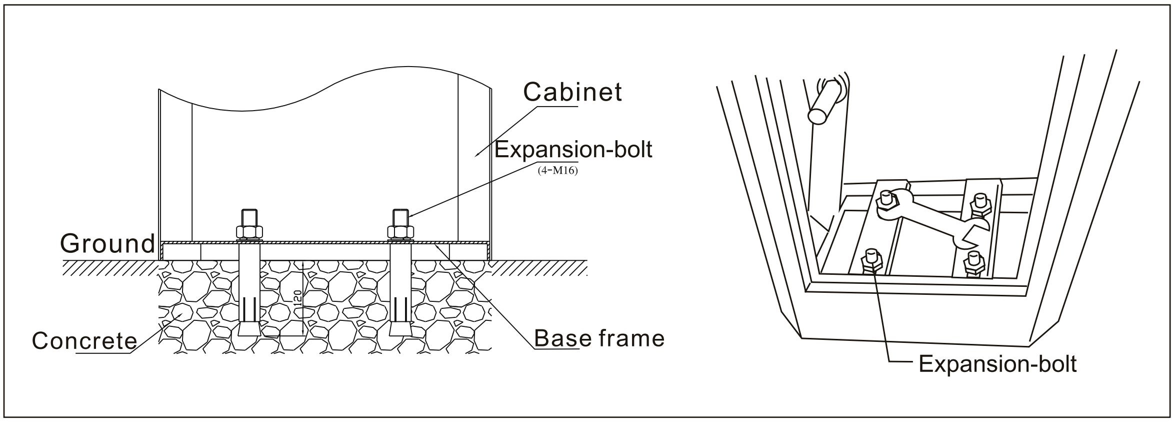


Fig.1

2. Install boom(Fig.2)

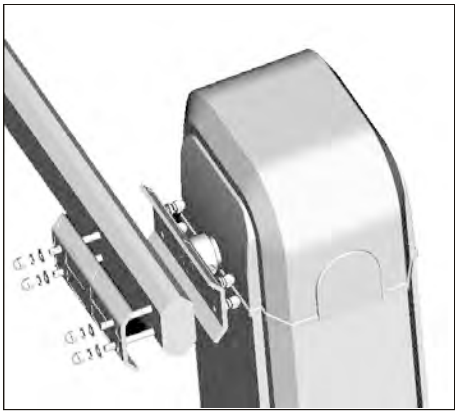


Fig.2

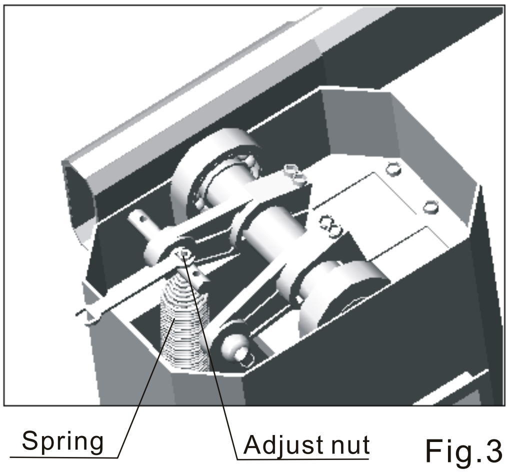


Fig.3

3.Adjust the spring's balance(Fig.3)

IMPORTANT: The barrier is supplied already balanced for the exact boom length specified in the order.

boom LENGTH	NUMBER OF SPRING	SPRING LENGTH
3m	1	440mm
4m--4.5m	2	440mm
5m--6m	3	440mm

4.Adjust the limit position

There are two magnet limits and two mechanical limits on the barrier, Both of them and Open limit and Close limit.

Do not change the limit position.

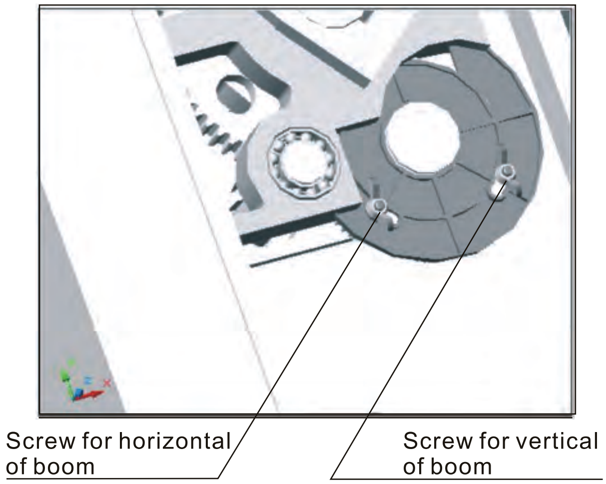


Fig.4

C. Electrical safety devices(Fig.5)

The BARRIERS limit switches, motor and control unit are already connected.

Only the photo cells, the loop detector and the supply voltage have to be connected.

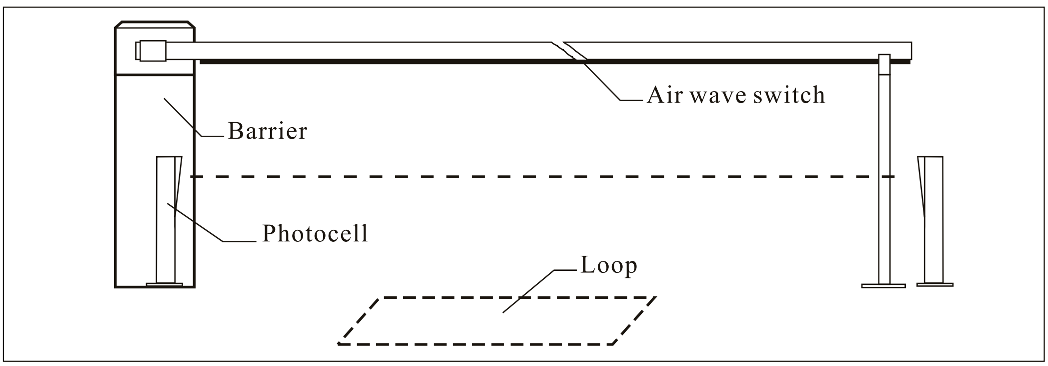
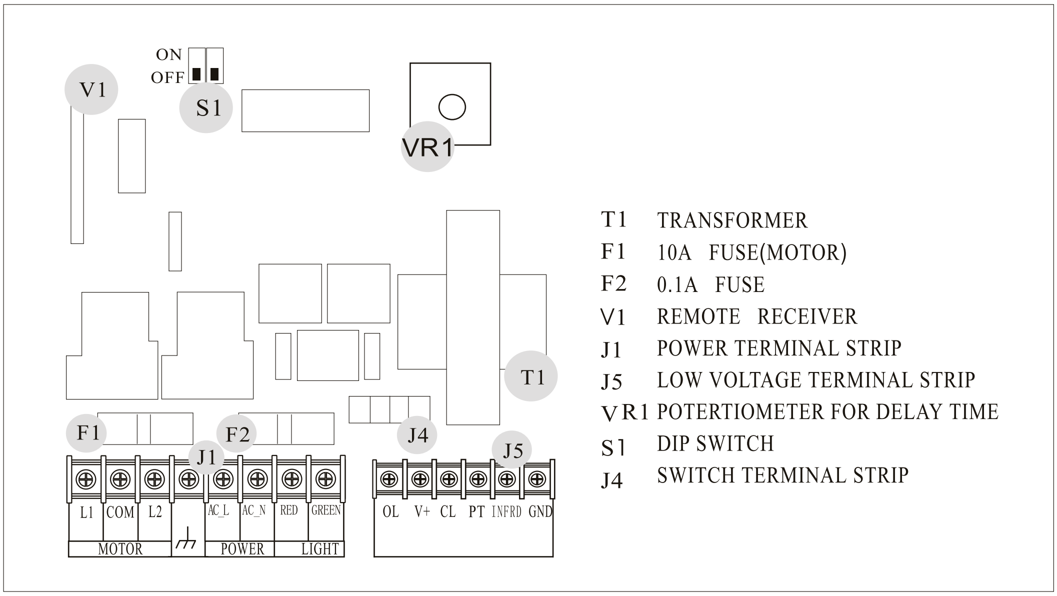
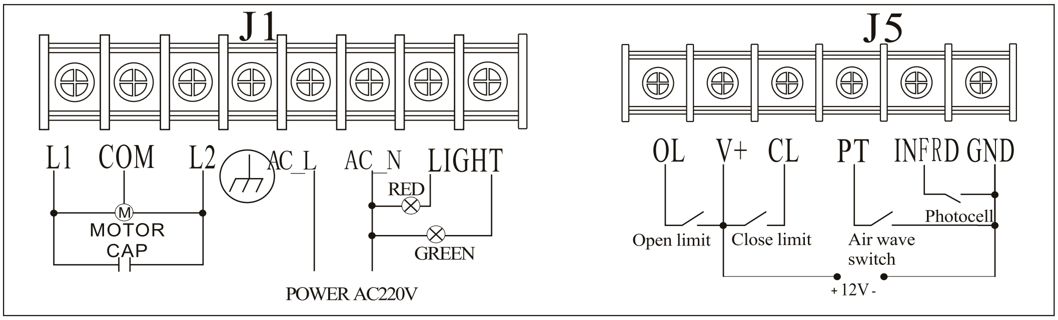


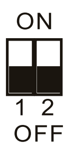
Fig:5

Connecting diagram





DIP Switch setup:



DIP1:

ON: Auto close is valid,the delay time is adjustable when rotating potertiometer.

OFF: Auto close is cancled.

DIP2:

ON: The red light is on When running.

OFF: The red light is on When closed;the green light is on when opened.

Appendix

Table of spring quantity and size with Boom's length

Model	Boom Length	Quantity of Spring	Spring's size
BS-106 BS-206 BS-806 BS-906	3−4m	1	ϕ5×440mm
	4.5-5m	2	ϕ4.5×440mm ϕ5×440mm
	6m	2	ϕ5×440mm ϕ6×440mm
BS-I/II-206 BS-I/II-806 BS-I/II-906	3-4m	1	ϕ5×440mm
	4.5m	1	ϕ6×440mm
	5m	2	ϕ5×440mm
	6m	2	ϕ5×440mm ϕ6×440mm
BST-III(A)-206 BST-III(A)-806 BST-III(A)-906	3-4m	1	ϕ6×440mm
	4-4.5m	2	ϕ5×440mm ϕ6×440mm
	4.5-5m	2	ϕ6×440mm
BST-III(B)-206 BST-III(B)-806 BST-III(B)-906	3-4m	2	ϕ5×440mm ϕ6×440mm
	4-4.5m	2	ϕ6×440mm
	4.5-5m	2	ϕ6×440mm ϕ6×440mm
BS-306	3-4m	1	ϕ5×440mm
	4.5m	1	ϕ6×440mm
	5m	2	ϕ5×440mm
	6m	3	ϕ5×440mm
BST-I/II-306	3-4m	1	ϕ6×440mm
	4-4.5m	2	ϕ5×440mm ϕ6×440mm
	4.5-5m	3	2×ϕ5×440mm 1×ϕ6×440mm
BST-III(A)-306	3-4m	2	ϕ5×440mm
	4-4.5m	3	ϕ5×440mm
	4.5-5m	4	3×ϕ5×440mm 1×ϕ6×440mm
	5-6m	4	2×ϕ5×440mm 2×ϕ6×440mm
BST-III(B)-306	3-4m	3	ϕ5×440mm
	4-4.5m	4	3×ϕ5×440mm 1×ϕ6×440mm
	4.5-5m	4	1×ϕ5×440mm 3×ϕ6×440mm
BS-606	3-4m	1	ϕ5×440mm
	4.5m	1	ϕ6×440mm
	5m	2	ϕ5×440mm
	6m	3	ϕ5×440mm
BST-I/II-606	3-4m	1	ϕ6×440mm
	4-4.5m	2	1×ϕ5×440mm 1×ϕ6×440mm
	4.5-5m	3	2×ϕ5×440mm 1×ϕ6×440mm
BST-III(A)-606	3-4m	2	ϕ5×440mm
	4-4.5m	3	ϕ5×440mm
	4.5-5m	3	1×ϕ5×440mm 2×ϕ6×440mm
BST-III(B)-606	3-4m	3	ϕ5×440mm
	4-4.5m	3	1×ϕ5×440mm 2×ϕ6×440mm
	4.5-5m	3	2×ϕ6×440mm 1×ϕ6×440mm