

China Faryuan Electric (subsidiary factory: Ningbo Weiao Motor Factory):  
Mainly manufacture: **linear actuator, lifting column, school bus stop arm**  
for more than 10 years, and we have exported to Europe, USA and Canada.

Our Facotry are supplying **School bus stop arm** for Top 3 of USA school bus.

Item No: **FY-S-1**



**Features of our school bus stop signal arm:**

- (1) driven by linear actuator, stable, safety and low power consumption;
- (2) Turning Time of stop arm: <3 seconds, very fast;
- (3) Anti-collision & Auto-stop, Prevent the pinch, safety for children/students;
- (4) Voltage:12VDC or 24VDC, current: < 1A;
- (5) Turing life time: 200000 times;
- (6) IP54 waterproof;
- (7) with 4 alternately red LED strobe lights;
- (8) Double-faced, octagonal, stop sign is retroreflective  
(with high reflection grade), red stop sign diameter >45 cm;
- (9) Strong material: Aluminum alloy plate,keep stop arm level and vertical;
- (10) Custom-made acceptable, sign printing as per clients' request.

Video : <http://youtu.be/HzEJs4E2xEA>      [http://youtu.be/TD\\_P2HiMrSA](http://youtu.be/TD_P2HiMrSA)

## **FY-LC-1 Lifting column with pressure Switch for Church Pulpit**

Item number: **FY-LC-1**

Similar to: SKF **TXG telescopic pillar**

Main Function: Prevent the pinch & Overload Protection

(ORMON limit pressure switches)

**When lifting up, automaticly stop if someone jump onto the pulpit;**

**When descending, automaticly stop if someone put hands at bottom of pulpit.**

Force push: 1500N (or as per your request)

Speed at no load: 13mm/s

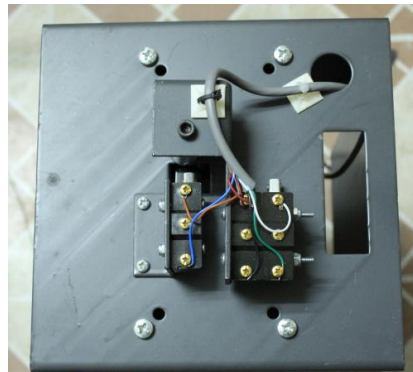
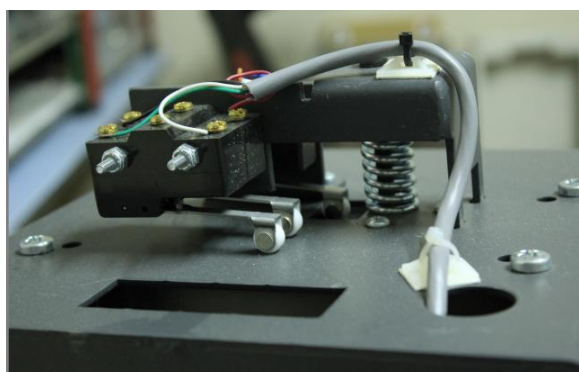
System of protection: IP30

Working Voltage: 12VDC or 24VDC

Complete:including 1 lifting column + 2 Ormon pressure switches + Metalcover +  
1 handset controller + 1 power control box

MOQ 100sets per order

Photos:



FY series linear actuator used in electric nursing bed ,operation beds,traction beds,message chairs,dental chairs.

FY-M-1



FY-M-4



Specifiction of FY-M-1 linear actuator

Input voltage :12V DC/ 24VDC

Maximum load capacity:6000N(optional 3000N,1000N)

Maximum speed :30mm/s

Stroke :30-1000mm

Min installation Dimension:Stroke+175mm

Limited switches :built in

Operation temperature :-26-65°C

Protection class:IP45

Type of duty: S2-10min

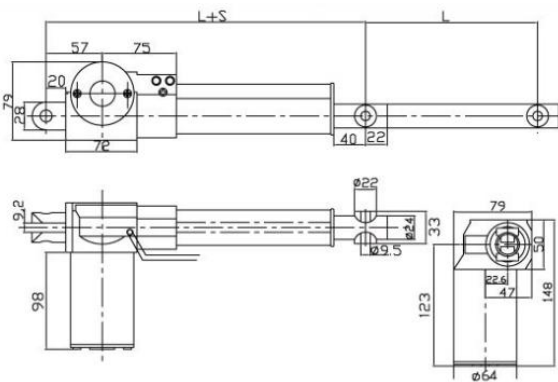
Covering color :black and silvery white

Noise level: 53db

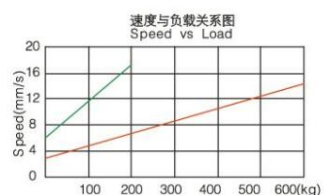
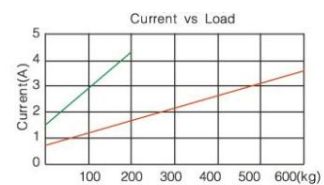
The difference between FY-M-1and FY-M-4 is the hhead, FY-M-4 is with "U" head.

CE, ROHS certificated

## Dimension



## linear garph



## FY-M-2 for solar track system



### Specification of FY-M-2 linear actuator

Input voltage :12V DC/24V DC

Maximum load capacity:4000N, or **6000N IP65 solar track linear actuator**

Max. Speed: 36 mm/s

Stroke :30-1000mm

Min installation Dimension:Stroke+175mm

Limited switches :built in

Operation temperature :-26-65°C

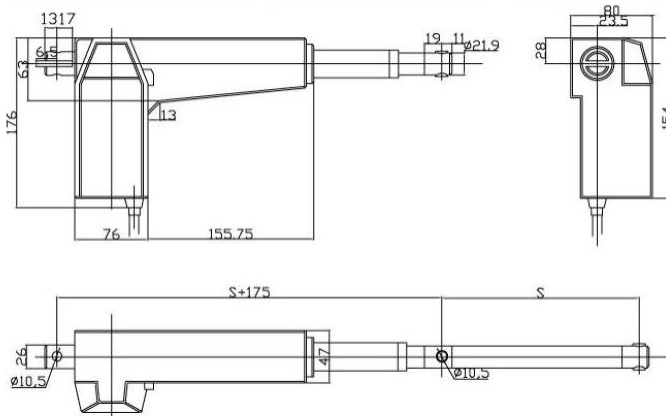
Protection class:IP54 (up to IP65 waterproof linear actuator)

Type of duty: S2-10min

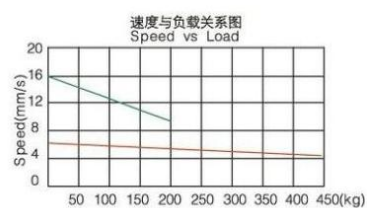
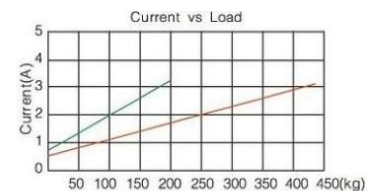
Noise level:45db

CE, ROHS certificated

### Dimension



### linear graph



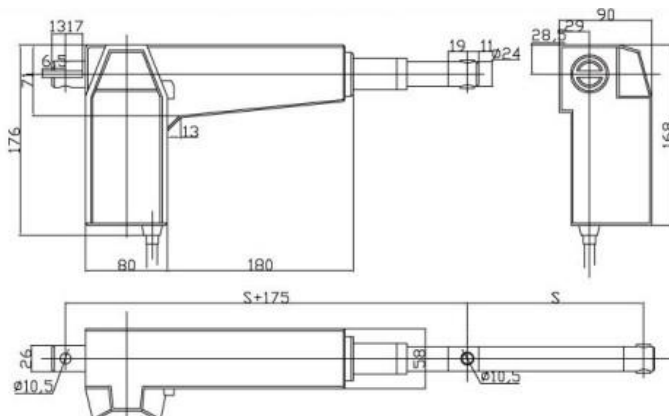
## FY-M-3 high loading capacity



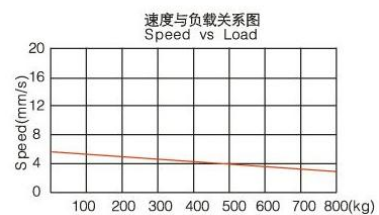
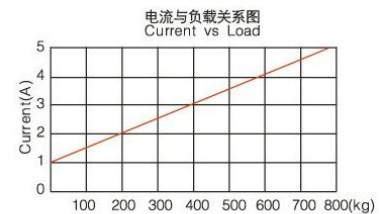
### Specifiction of FY-M-3 Linear actuator

Input voltage :12V DC/24V DC  
 Maximum load capacity:8000N  
 Max. Speed: 36mm/s  
 Stroke : 30-1000mm  
 Min installation Dimension:Stroke+175mm  
 Limited switches :built in  
 Operation temperature :-26-65°C  
 Protection class:IP54  
 Type of duty S2-10min  
 Noise level: 45db  
 CE, ROHS certificated

### Dimension



### linear garph



## FY-M-5 Slider linear actuator



### Specification of FY-M-5 Linear actuator

(usually used in combination sofa, and TV stand.)

Input voltage :12V DC/24V DC

Maximum load capacity:6000N

(Generally 3000N, when 3000N, Loading Speed:15mm/s, no loading speed: 18mm/s)

Stroke : 30-1000mm (best selling stroke is 330mm)

Limited switches :built in

Operation temperature :-26-65°C

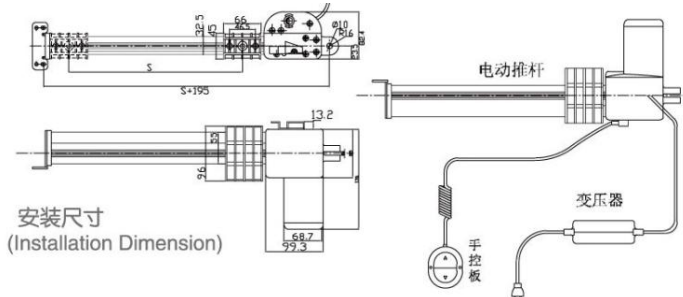
Protection class:IP54

Type of duty:s2-10min

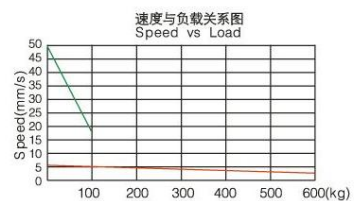
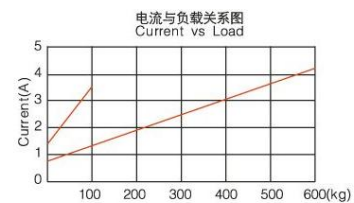
Covering color :black Power :60w

CE, ROHS certificated

### Dimension



### Linear Graph



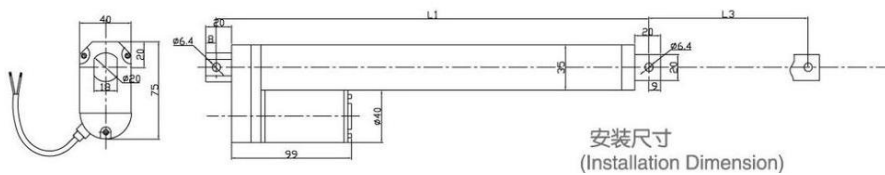
## FY-M-6 Mini linear actuator



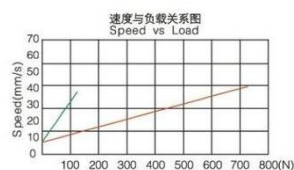
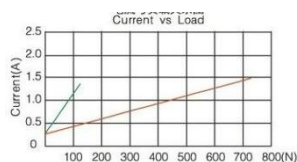
### Specifiction of FY-M-6 Linear actuator

Input voltage :12V DC/24V DC/36VDC/48VDC  
Maximum load capacity:2000N(Generally 750N)  
Speed:11-36mm/s  
Stroke :30-1000mm  
Min installation Dimension:Stroke+105mm  
Limited switches :built in  
Operation temperature :-26-65°C  
Protection class:IP54 or IP65  
Type of duty:s2-10min  
Covering color :silvery white  
Noise level:53db  
Installation hole Dimension :5.5mm/6.3mm/8mm  
CE, ROHS certificated

### Dimension



### Linear Graph



### FY-M-8 Lifting column

Application: furniture, ,electric desk, table, Motorized Positioning Systems, electric stage, Electric Massage Chair , dental chair.



### Specifiction of FY-M-8 lifting column

Input voltage :12V DC/24V DC

Maximum load capacity: 6000N

(General 4000N, when 4000N, Load speed :5mm/s, No load speed :6mm/s)

Stroke :100-600mm

Min installation Dimension:Stroke+150mm

Limited switches :built in

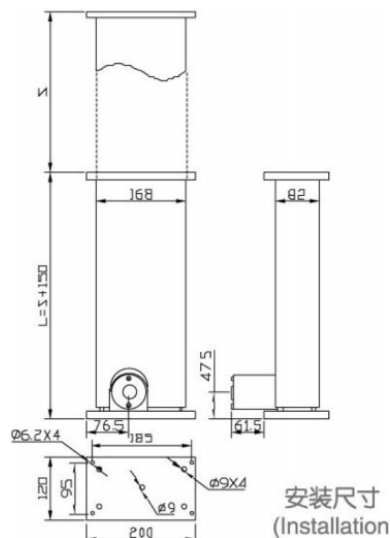
Operation temperature :-26-65°C

Protection class:IP43

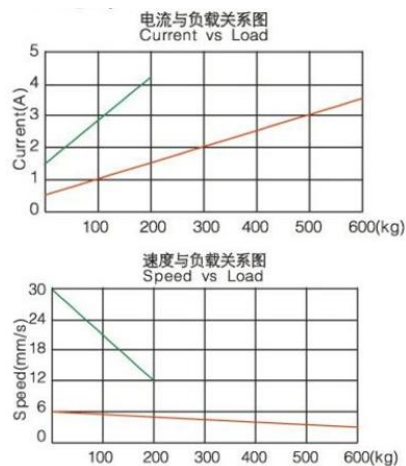
Type of duty:s2-10min

CE, ROHS certificated

### Dimension



### Linear Graph





## Power Control Box

**FY-C-1:** can load 1,2,3,4 linear actuators, build-in back –up battery, keep operation Dependability even when the power off.



### Specifications:

Input voltage :110/220VAC

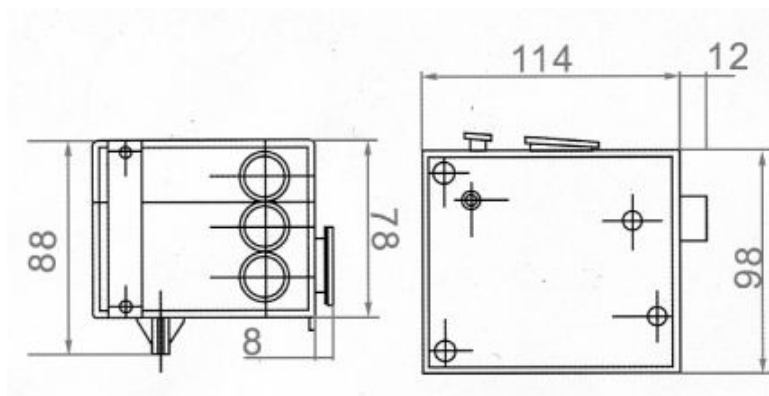
Output voltage :12/24VDC

Type of duty: S2-10min

Colour:black ,white

Inner set :Overload protection

### Dimension



**FY-C-2** can control up to 5 linear actuator .

FY-C-2 is an economical controller ensures space-saving ,multipurpose and connect 1-5 linear actuator ,one handset or foot switch,build-in back-up battery,keep operation dependability even when the power off .



**Specifications:**

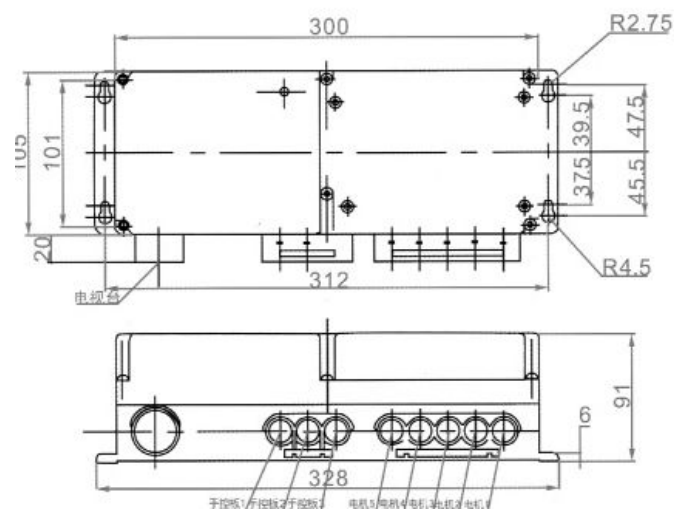
Input voltage :110/220VAC

Output voltage :12/24VDC

Type of duty:s2-10min

Colour:black ,white

**Dimension**



FY-C-4: can control 1-2linear actuator ,with over load protection device .



**Specifications:**

Input voltage :110/220VAC

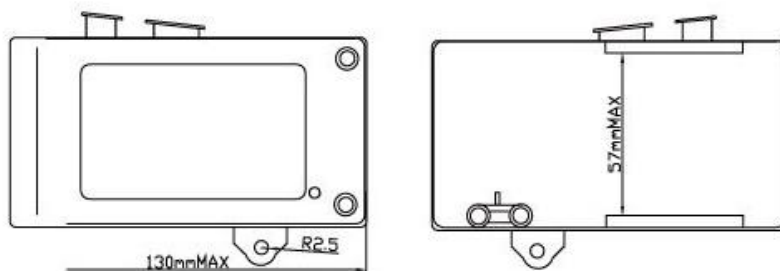
Output voltage :12/29VDC

Type of duty:s2-10min

Colour:black

Inner set:overload protection

**Dimension:**



## Handset controller

FY-H-1



FY-H-2



FY-H-3



FY-H-4



FY-H-6



FY-H-1/2/3/4/6 series handset can operate 1 linear actuator.  
All kinds of controllers are available upon customer's request.  
FY-H-6: with ellipse design, it is good used at handrail of sofa.

FY-H-5: can operate 2 linear actuator



FY-H-7



FY-H-8



FY-H-9



FY-H-10



FY-H-7/8/9 can control up to 4 linear actuators;  
FY-H-10 is with 5 rows, can control 4 linear actuators and additional combination  
2 units of 4 synchronized.

FY-H-13: foot controller, 4 sets of FY-H-13 could be abreast to control 4 units.



Radio wireless controll sets as below:



Some photos for your reference:



Contact our factory:

China Faryuan Electric Factory

Contact: Alex (CEO) ([sales@ele-b2b.com](mailto:sales@ele-b2b.com), [alexify@gmail.com](mailto:alexify@gmail.com))

sales: Cherry ([sales2@ele-b2b.com](mailto:sales2@ele-b2b.com)), Baylor ([sales3@ele-b2b.com](mailto:sales3@ele-b2b.com))

Tel: +86-13505740443