

EWD-RL-J2

User's Guide

(V2.2)

Xi'an Excellent Electromechanical Co., Ltd.

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● **Declaration:**

In any case, our part is only responsible for the product own quality within the warranty period.

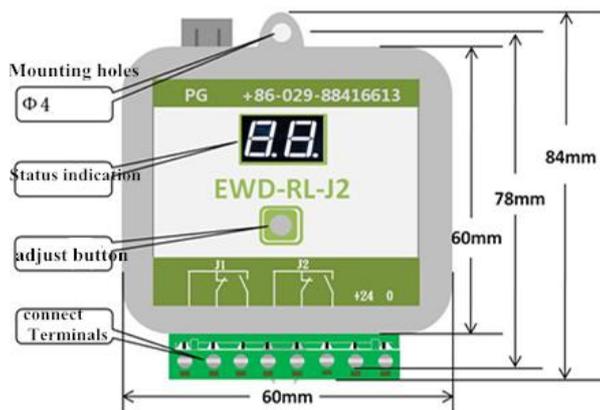
● **Description:**

- 1.State Indication — Flickering: About “Once per Second”;
- 2.Button Operation — Press: Press and release soon; Hold: Press constantly;
- 3.Relay — Keep the state of Picking-up in the period of system being .

● **Main Features:**

1. The system is of the structure of sensor with the domination of loading cell and controller, which can be installed at the car-side rope hitch;
2. Directly outputting full-load or overload signal depending on the change of elevator car payload;
3. Simple adjustment, high precision of measurement and quick and easy installation.

● **Product Appearance, Installing Method and Relevant Structure**



Description	
PG	Connect load sensor
	Button, use for adjust
Status indication 	L0 No adjust (No-load self-learning)
	J0 Load < 90% Rated load (J1, J2 relay is released)
	J1 Load ≥ 90% Rated load (J1 rated relay is closed)
	J2 Load > 100% (J2 rated relay is closed)
PJ.1~3	J1 Full load output
PJ.4~6	J2 over load output
PJ.7~8	System power supply DC24V/100mA

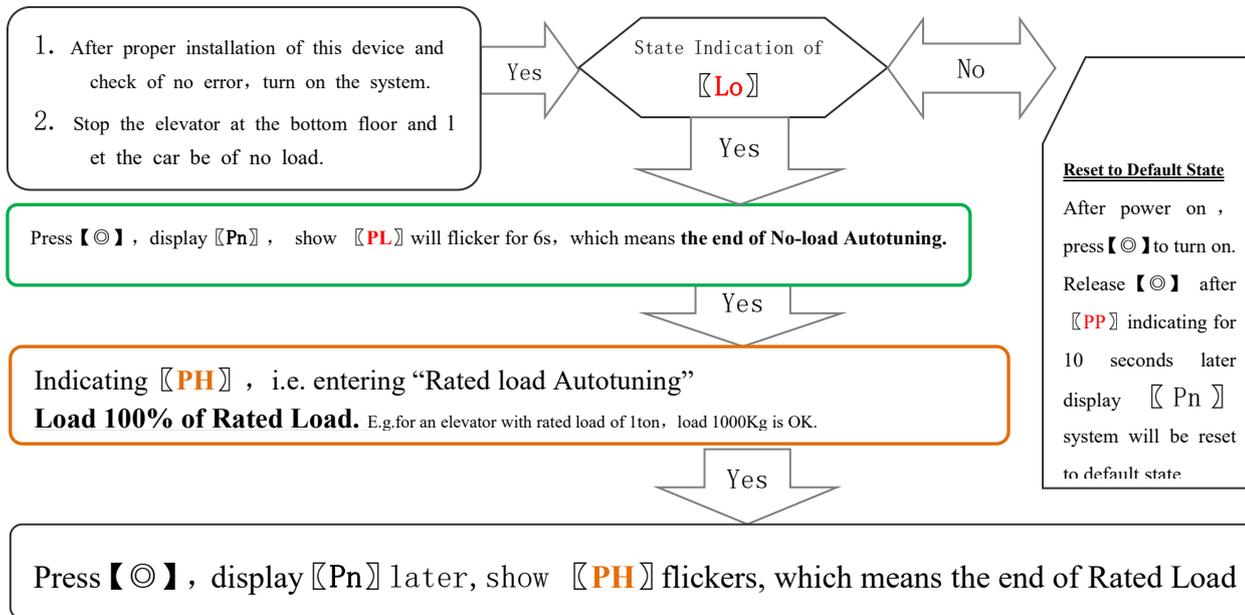
● **Sensor selection and installation:**

Load sensor	Model	Description	Size and install method
	XCL-Y/8625	Standard “Disc” type Intelligent loading Sensor	See attached page
	XCL-ZL/W	Standard character “王” tension sensor	See attached page
	XCL-T/A	Standard character “—” load sensor	See attached page
	XCL-T/B	Standard character “—” load sensor	See attached page

Technical File of EWD-RL-J2 Elevator Weighing Device [System Introduction] (V2.2)

 A photograph of a steel strip sensor, model XCL-ZL/P2. It consists of two white plastic mounting brackets with three slots each, connected by a black cable to a black sensor head.	XCL-ZL/P2	Steel Strip sensor	See attached page
 A photograph of a steel strip sensor, model XCL-ZL/P3. It consists of three white plastic mounting brackets with three slots each, connected by a black cable to a black sensor head.	XCL-ZL/P3	Steel Strip sensor	See attached page

● System Adjustment:



After the system debugging is completed, during normal operation, press and hold [C], [J1] / J2 alternately flashing, while J1 / J2 alternately output.

● **Load multiplier parameter modification operation: (unlearned system is required to operate)**

1. system Power off;
2. press **【◎】** power-on, show **【PP】** released: (Note: press **【◎】** 10 Seconds, over Seconds system will clear the existing data back to the factory state)
3. During Show **【Pd】** and **【01】** enter Full load、over load Multiplication mode, and show number **【01】** is the multiplier of the rated load.
4. During show **【01】** flicker, press **【◎】**, Multiplication will increase, until **【30】** later, Will loop back **【01】** Start to increase again。After reaching the desired multiplier, press **【◎】**, keep 2-3 seconds, display **【Pn】** Remember and save the value, Into normal mode of operation.
(exp: For already has the amount of memory learning 1000Kg elevator, **【Pd】** The parameter is modified to 05, choose 5 Multiply, full load 90%x5000Kg; over load 100%x5000Kg;)



Return to normal working condition

Technical Specifications:

1.	Application Range	Suitable for all traction, hydraulic, strong drive elevator use (load range depends on sensor range)
2.	Sensitivity	For the elevator with rated load of 1 ton, it is 5Kg
3.	System Error	≤1.5% (5~40°C)
4.	Output Mode	Switching Signal : Full-load and overload Dynamic Close and Dynamic Open contact

5.	Operation Temperature	-20~55℃)
6.	Power Source	DC 24V(±10%), Operating current for the whole set≤100mA

●*: Intensity exceeding the above listed parameter limits may cause the system abnormality or its permanent damage.

● **Description of Other Indication States:**

	Display Code	Implication	Solution
1	YS	System Start up	
2	PC	Sensor Resetting	
3	PP	Get into the status of operation parameters modification	
4	Lo	Ready for Auto tuning Operation	
5	PL	No payload is detected by sensor	(Static Displaying represents preparative status, twinkling displaying for the end of testing)
6	PH	Self - learning parameters	
7	Pn	Memory is complete	

● **Promise**

1. If this system appears any quality problem of product itself in 1 year after delivery, it will be replaced freely (damage of the product seal will not be dealt with) .
2. Any system abnormality in adjustment or operation, please contact our company directly.

● **Others**

1.Packing List:

Elevator Overload Device Controller EWD-RL-J2	1PCS
Load Sensor and its accessories	1SET
Screw Sets M4 X 40	2SETS
System Instruction Manual	1PCS

2.Address book: Xi' AN EXCELLENT ELECTROMECHANICAL CO.,LTD

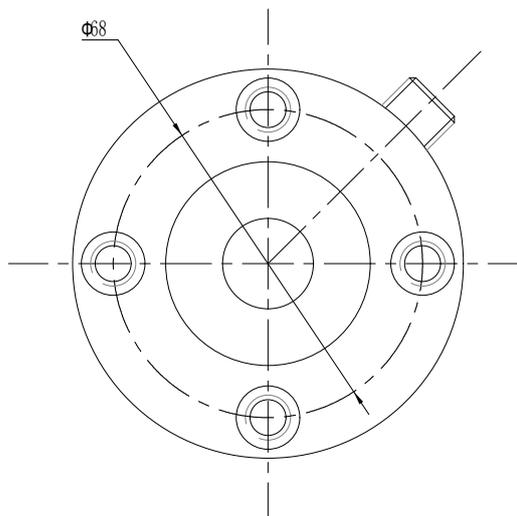
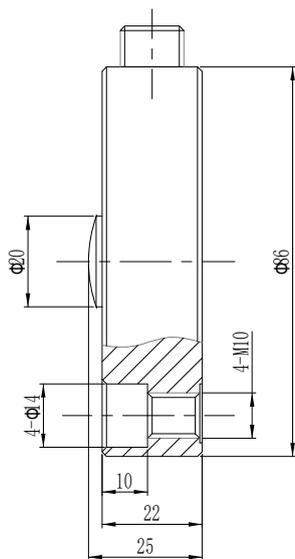
 : (029)88416613, 18092639750
 : 7D, Block A, Olympic Building, 14th Ch
ang An North Road, Xi'an, Shaanxi,China

Attached document:

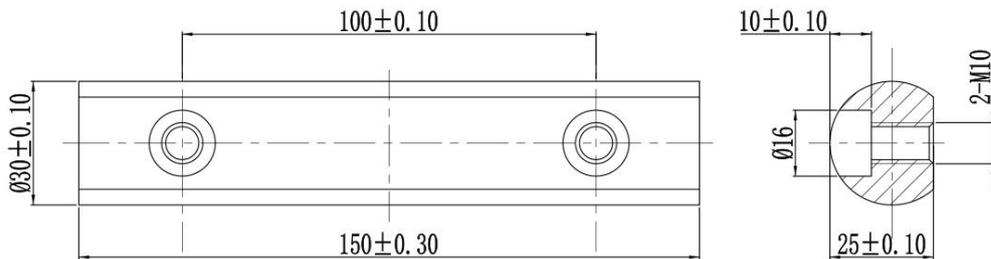
Load sensor dimensions and installation

1. XCL-Y/8625 loading Sensor size and installation method

1.1 size (range:12KN、22KN、30KN、40KN、50KN、70KN)



Bar size chart

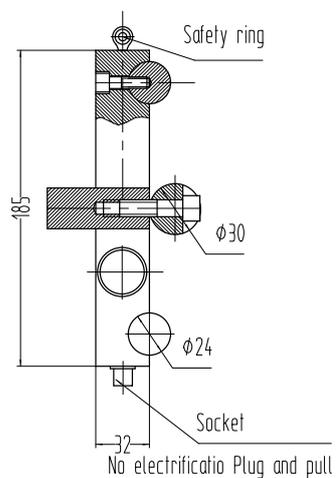
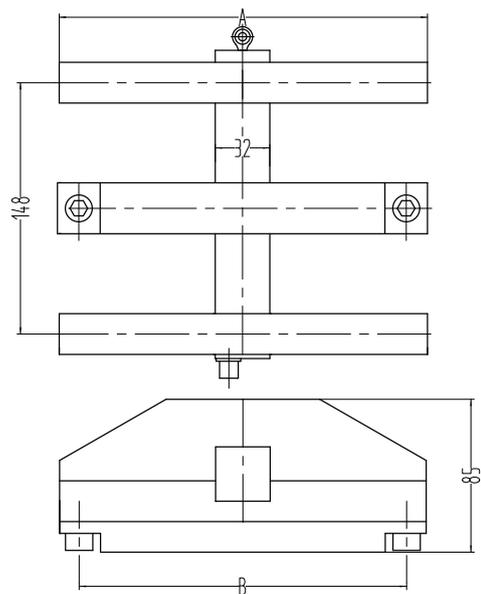


1.2 install method



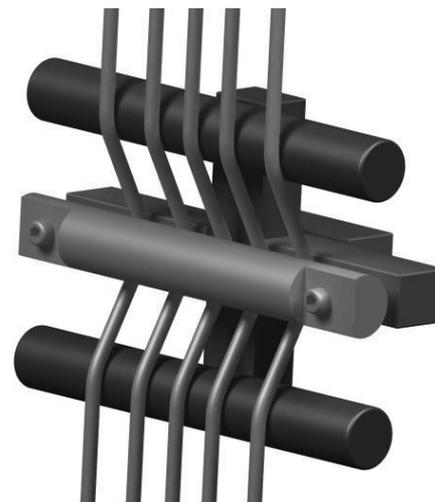
2. XCL-ZL/W Standard character “王” tension sensor size and installation method

2.1 Size of load sensor



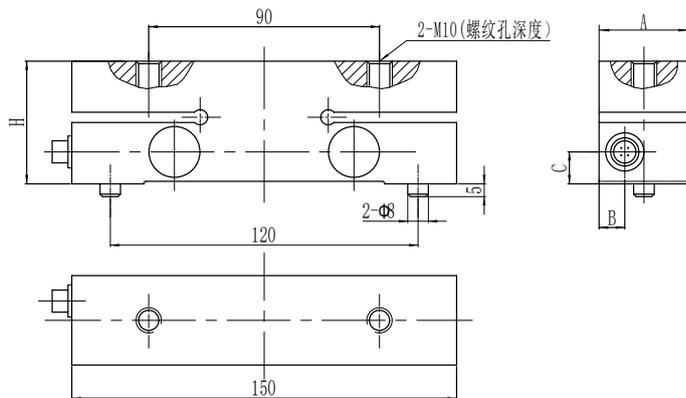
Range	Size	
	A	B
20	216	192
50	260	238

2.2 install method



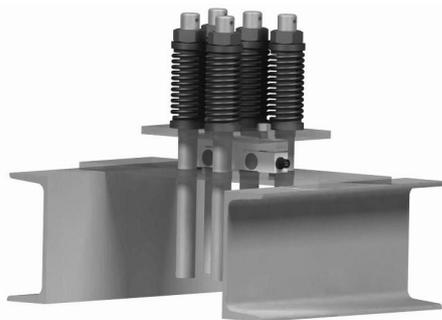
3.XCL-T/A Standard character “—” load sensor size and installation method

3.1 load sensor size



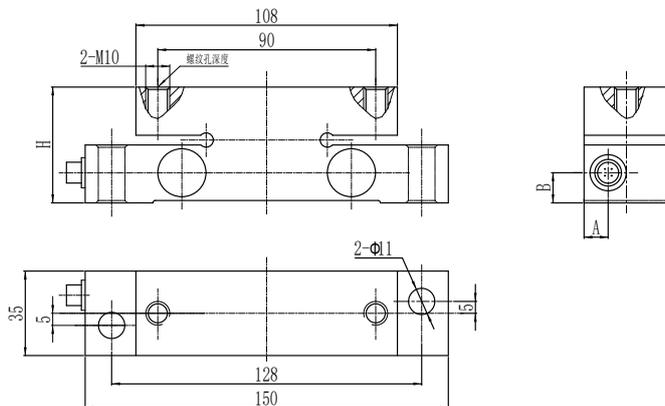
Range	Size				
	KN	H	A	B	C
10	41	25	8	12.5	Through-hole
15	41	25	8	12.5	Through-hole
20	41	25	8	12.5	Through-hole
30	48	35	10	12.5	Through-hole
50	48	35	10	12.5	Through-hole
70	60	35	8	17	18
100	60	35	8	17	18
150	70	35	8	21	18

3.2 install method



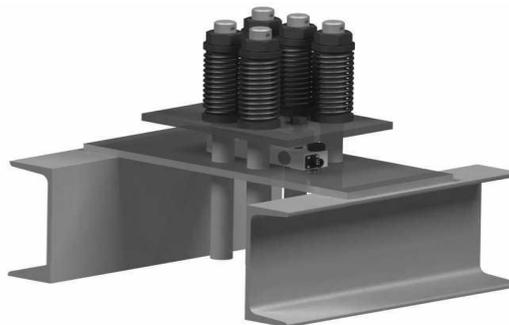
4.XCL-T/B Standard character “—” load sensor size and installation method

4.1 load sensor size



Range	Size			
	H	A	B	Thread hole depth
30	48	10	12.5	Through-hole
50	48	10	12.5	Through-hole
70	60	8	17	18
100	60	8	17	18
150	70	8	17	18

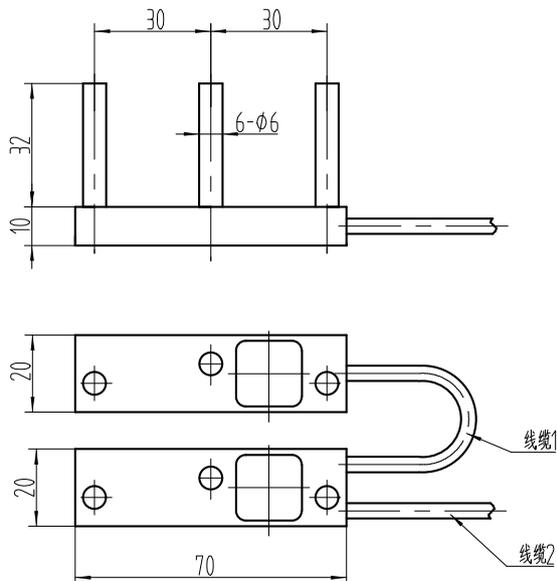
4.2 install method



5.XCL-ZL/P2 load sensor dimensions and installation method:

5.1 size (range : 5KN 、 8KN)

5.2 install method



6.XCL-ZL/P3 load sensor dimensions and installation method:

6.1 size (range : 5KN 、 8KN)

6.2 install method

