

## EWD-RL-BJ2 Villa elevator overload device Manual(V2.3)

- **Attention:** Before using, be sure to read the following sections carefully.

The weighing device has strict payload limit, please be sure to install reasonably; Otherwise, personal and equipment damage may be caused. The company is not responsible for the loss.

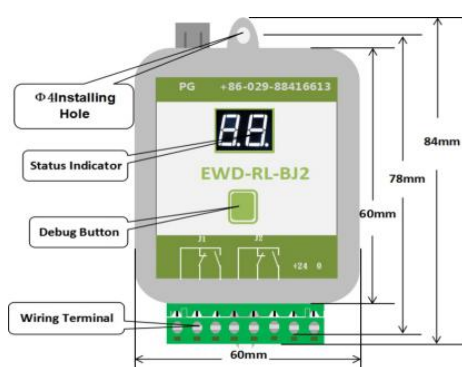
- **Notice:**

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

- **Declaration:**

Due to technological progress, the company reserves the right to change the product; For technical parameters, please refer to the manual delivered with the product.

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



The code description of the normal work of the digital tube		
PG	Connect load sensor	
	Button, use for adjust	
Status indication 	L0	No adjust(self-learning without load)
	J0	Current load < 9%, Rated load (J1, J2 relay is released)
	J1	Current load ≥ 9%, Rated load (J1 relay closed)
	J2	Current load > 100% (J2 relay closed)
PJ.1~3	J1 Light load output	
PJ.4~6	J2 Over load output	
PJ.7~8	System power supply DC24V/100mA	

- **Technical Specifications:**

1.	<b>Application Range</b>	Being applicable to all tractor driven or roll-driven villa elevators ( Load range depending on load sensor )
2.	<b>Sensitivity</b>	For the elevator with rated load of 1 ton, it is 5Kg
3.	<b>System Error</b>	≤ 1.5 % (-20~55℃)
4.	<b>Output Mode</b>	Switching Signal: light load and over load Dynamic Close and Dynamic Open contact
5.	<b>Operation Temperature</b>	-20~55℃
6.	<b>Power Source</b>	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.

- **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.

- **Debugging of weighing device under other circumstances:**




If the following reasons occur, it is necessary to re-modify the working parameters of the weighing device, and the modification method is the same as the above.

- 1、The elevator changes the decoration of the car, so that its self-weight changes;

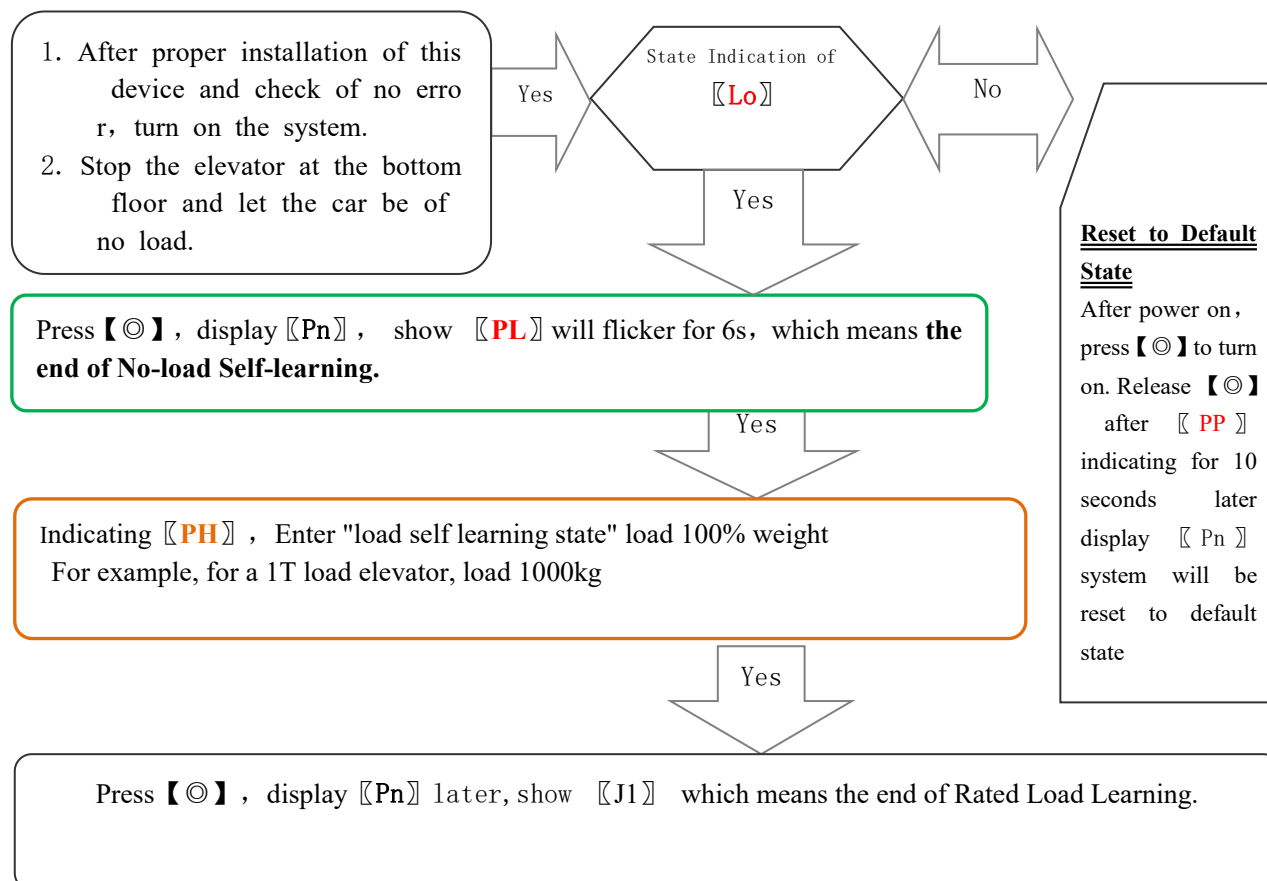
2、The pulling force of the wire rope is not balanced;

3、The phenomenon of squatting at the bottom;

### ● Sensor selection and installation:

Load sensor			
Model	XCL-Y/3411	XCL-YH/5018	XCL-T/A (20)
Dimensions	See photo	See photo	See photo
Load sensor			
Model	XCL-T/B (20)	XCL-ZL/P2	XCL-ZL/W
Dimensions	See photo	See photo	See photo

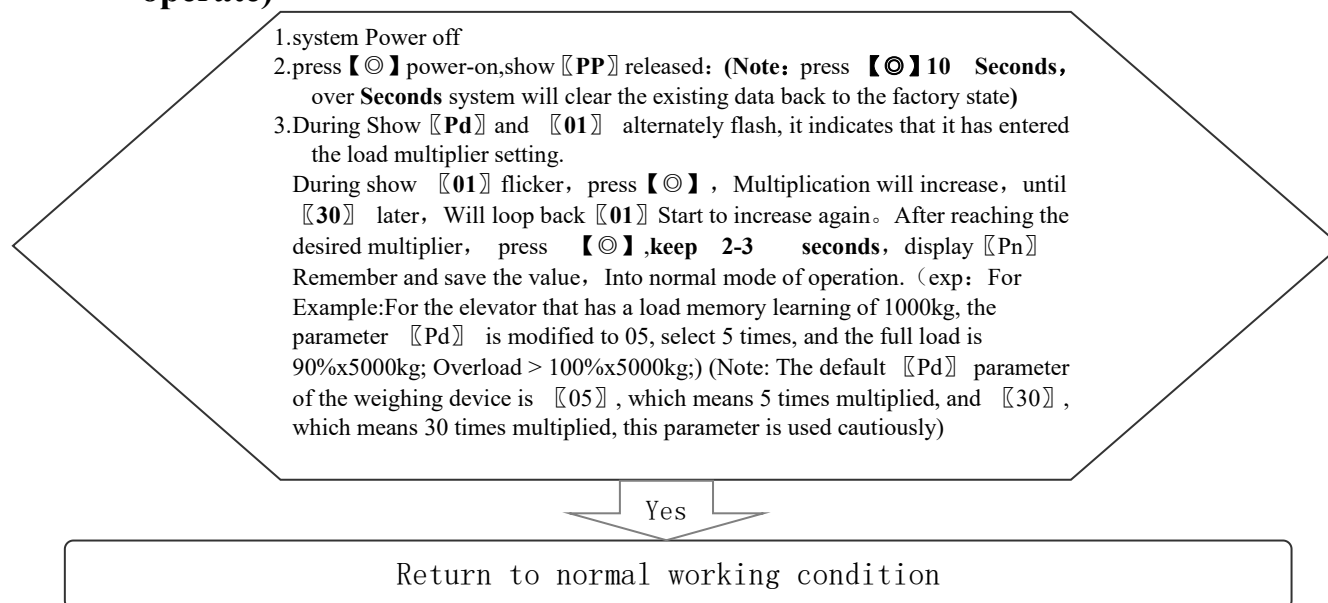
### System Adjustment:



After the system debugging is completed, during normal operation, press and hold **【◎】**, **[[J1]]** / **[[J2]]**

alternately flashing, while J1 / J2 alternately output.

● **times the load multiplier to modify the operation: (need to debug a good system to operate)**



● **Description of Other Indication States:**

	Display Code	Implication	Solution
1	YS	System Startup	
2	PC	Sensor Resetting	
3	PP	Get into the status of operation parameters modification	
4	Lo	Ready for Self-learning Operation	
5	PL	Self-learning no-load parameters	(Static Displaying represents preparative status, twinkling displaying for the end of testing)
6	PH	Self-learning load 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.

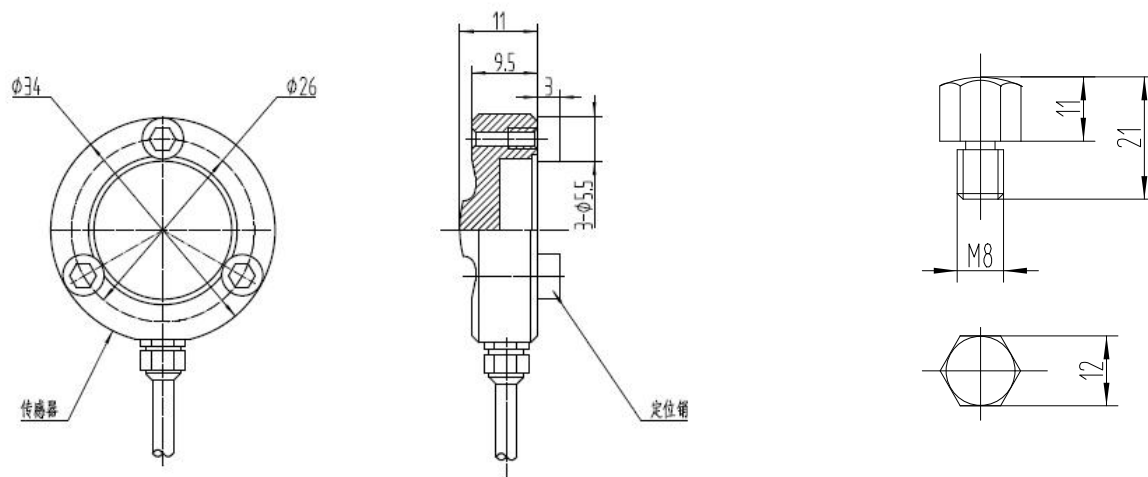
● **Others**

<b>Packing List</b>	Controller of EWD-RL-BJ2	1	Load sensor and accessories	1 Set
	Elevator Loading Device			
	Screw Sets M4 X 40	2 Sets	System Instruction Manual	1 Copy

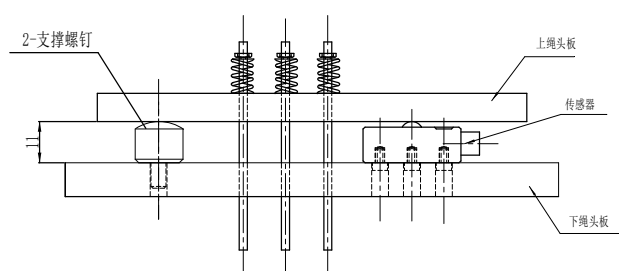
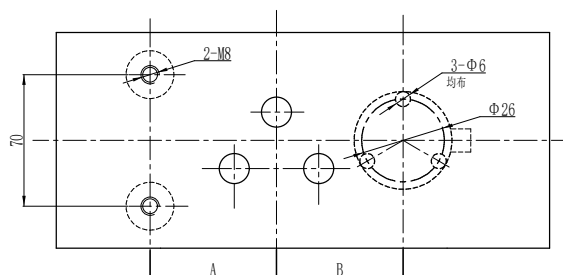
**2.Address book:** Xi' AN EXCELLENT ELECTROMECHANICAL CO.,LTD

☎ : (029)88416613 85565174 85568478      📠 : 7D, Block A, Olympic Building, 14th Chang  
 Add.: 7D, Block A, Olympic Building, 14th Chang An North Road, Xi'an, Shaanxi,China

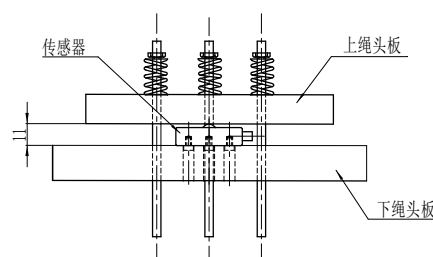
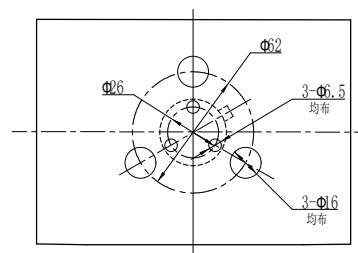
**Technical support:** 18092639750 18092639752

**Attached page:****Load cell / tension sensor dimensions and installation****1. XCL-Y/3411 load sensor dimensions:****1.1 size (range: 6KN、12KN)**

Installation diagram 1

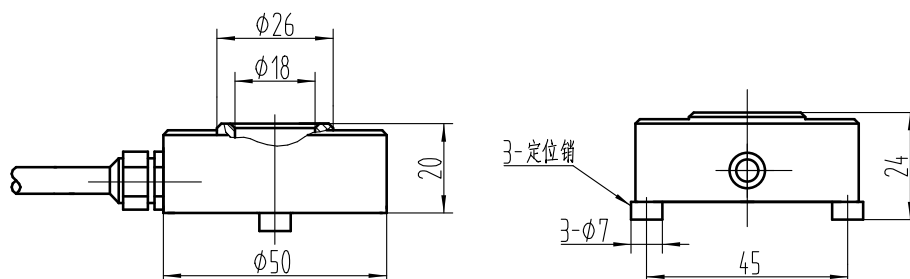


Installation diagram 2



## 2. XYL-YH/5018 load sensor dimensions:

### 2.1 size (range: 15KN)

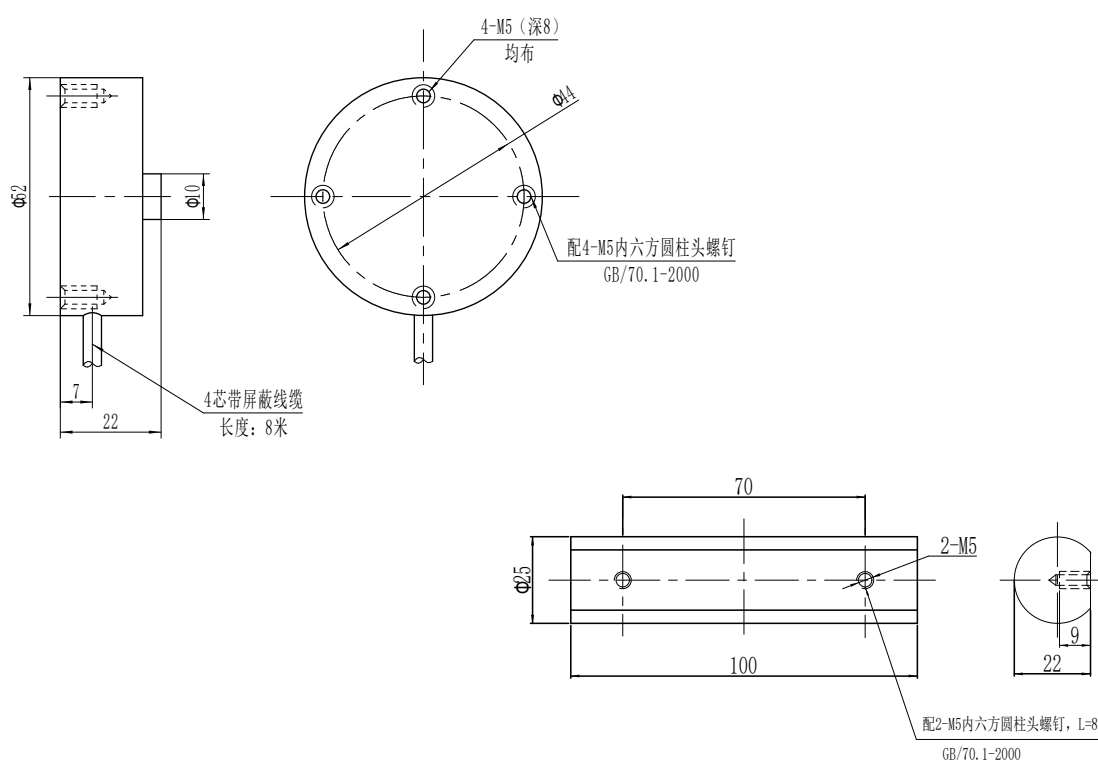


### 2.2 Installation diagram

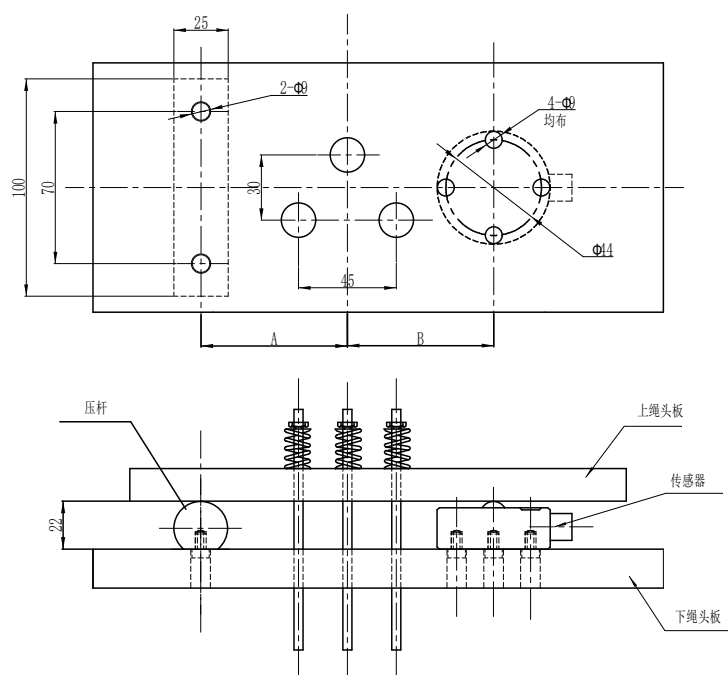


## 3. XYL-Y/5222 load sensor dimensions:

### 3.1 size (range: 6KN)

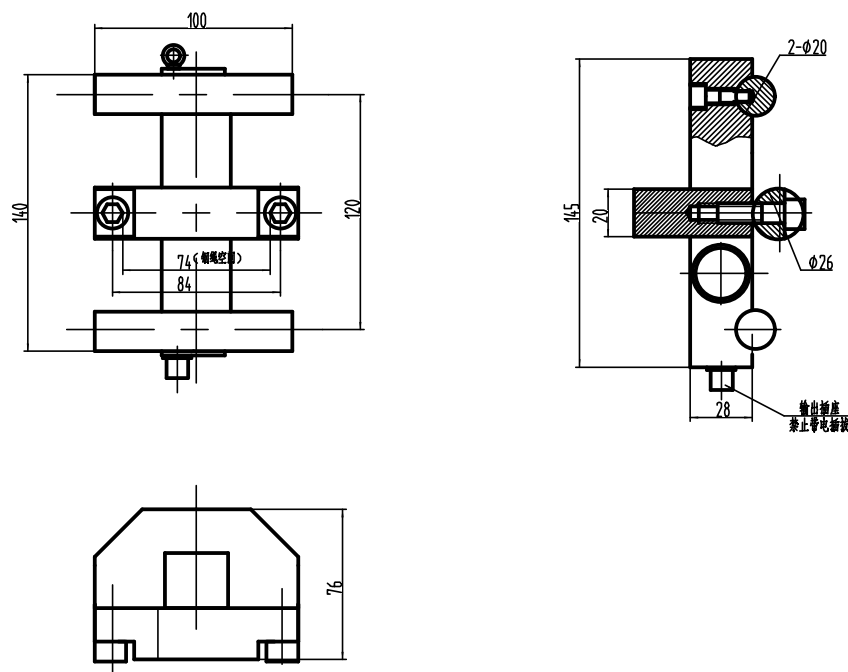


### 3.2 Installation diagram



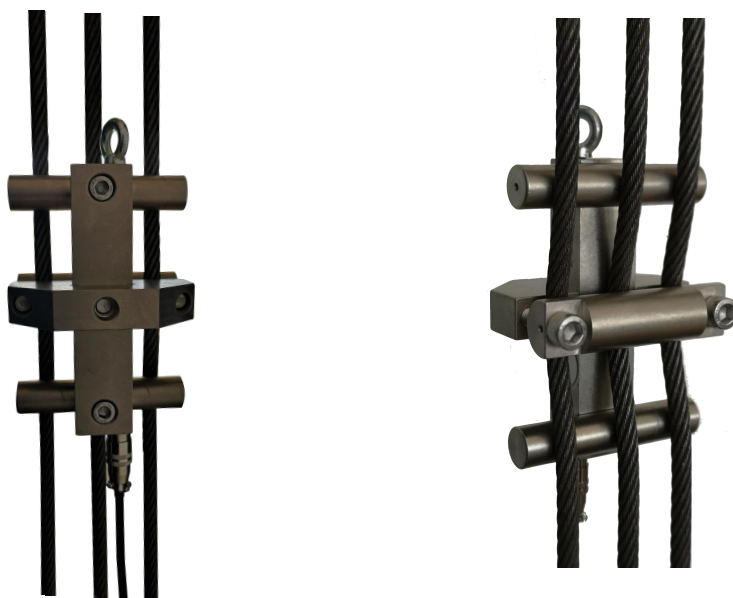
### 4. XCL-ZL/W load sensor dimensions:

#### 4.1 size (range: 15KN)



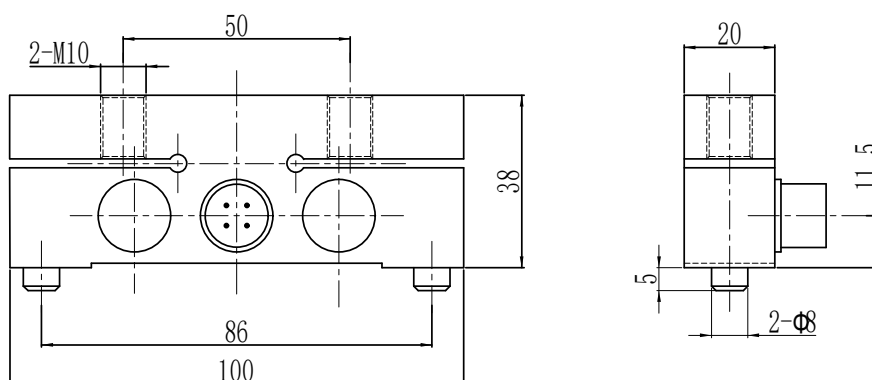
Note: During installation, be sure to use  $\varnothing 6$  steel wire rope to connect the safety ring and secure it on the support of the traction machine to prevent the sensor from falling off during installation and debugging to ensure personal safety!

## 4.2 Installation diagram

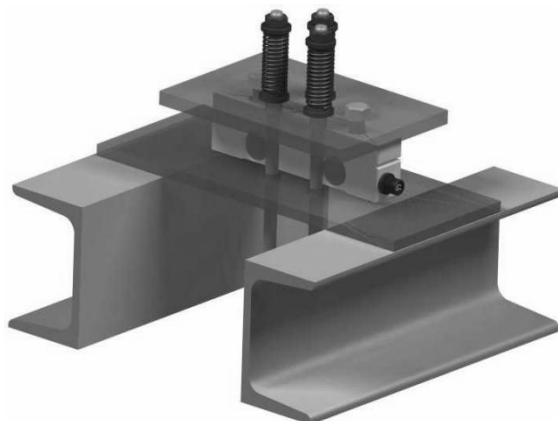


## 5. XCL-T/A(20) load sensor dimensions:

### 5.1 size (range: 12KN)

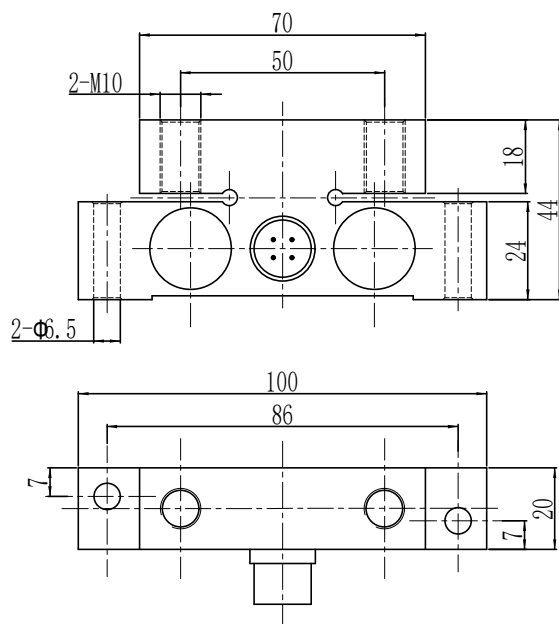


## 5.2 Installation diagram

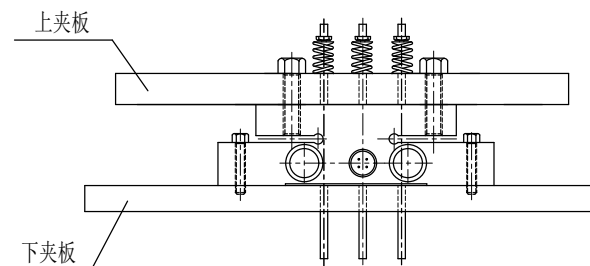


## 6. XCL-T/B (20) load sensor dimensions:

### 6.1 size (range: 10KN)



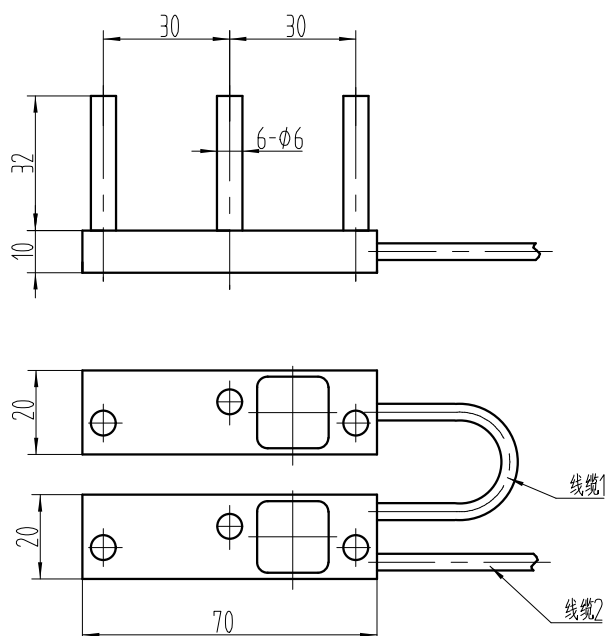
### 6.2 Installation diagram



## 7. XCL-ZL/P2 load sensor dimensions:

### 7.1 size (range for one: 0.5T)

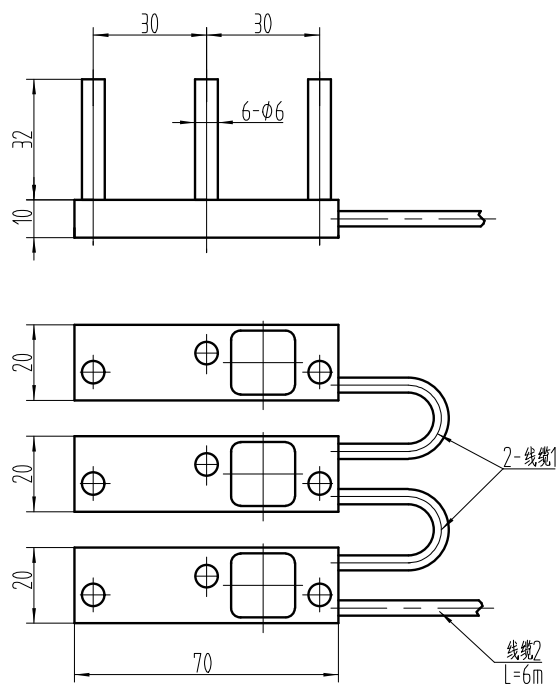
### 7.2 Installation diagram





## 8.XCL-ZL/P2 load sensor dimensions:

### 8.1 size (range for one: 0.5T)



### 8.2 Installation diagram

