

# CWP-S1500V Series displacement sensor user manual

## 1、Technical parameters

|                  |                                  |
|------------------|----------------------------------|
| Type             | Parameters                       |
| Model            | CWP-S1500V                       |
| Detection method | Incremental encoder              |
| Wire rope        | □ 0.8mm Plastic coated wire rope |
| PULL speed       | 600mm/s (MAX)                    |
| Range            | 1500 mm                          |
| Repeatability    | +/-0.02FS                        |
| Supply voltage   | DC □ 24V                         |
| Signal output    | 0-10V                            |
| Note             |                                  |

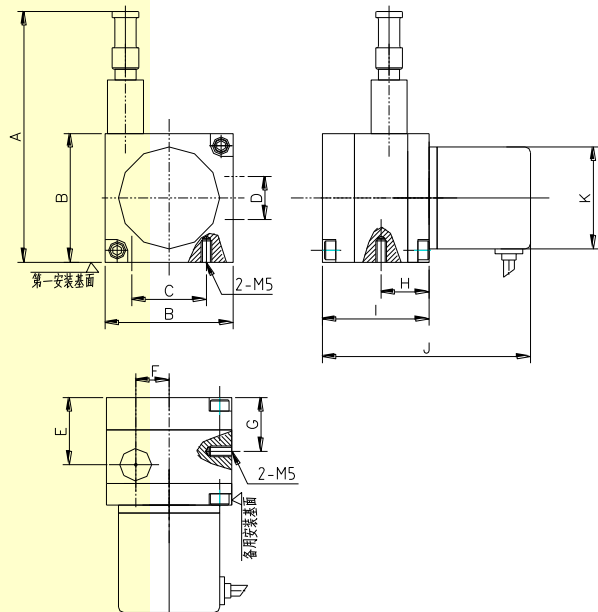
## 2、Wiring diagram:(4 wire)

4wire:

|               |                |
|---------------|----------------|
| <b>RED</b>    | <b>+24V</b>    |
| <b>BLACK</b>  | <b>0V</b>      |
| <b>Yellow</b> | <b>signal+</b> |
| <b>White</b>  | <b>Signal-</b> |

## 3、Installation Dimensions (mm)

| Code | CWP-S1500V |
|------|------------|
| A    | 110        |
| B    | 63         |
| C    | 40         |
| D    | 22         |
| E    | 25         |
| F    | 23.88      |
| G    | 20         |
| H    | 18         |
| I    | 40         |
| J    | 82         |
| K    | 42         |



## 4、Installation Notes

- \* Make sure the wiring in the power off state
- \*Note that the error wiring may damage the sensor
- \* Do not power lines or power cord with in the same conduit run lines, the signal with a special shielded cable to avoid interference
- \* Make sure the power supply voltage changes within the rated range
- \*Do not use when power is turned on after a short period of time (50ms)
- \*If the product near devices that produce electromagnetic interference (switching regulator, high frequency, the conversion

engine, etc.), please do the equipment rack ground terminal to secure the ground at the same time do a good job of shielding the work of the sensor signal transmission.

\*The sensors are precision instruments ,do not strike, to ensure that equipment and wire rope clean and prolong life;

\* To protect the rope from the external injury.

\* installation make rope is pulled out, can not let the rope friction and outlet

\* If used in a bad environment or for special occasions, please install protection agency orCustomized products contact me

\* If you are using non-linear motion of the body, self-designed steering mechanism or to buy the company displacement sensor attachment

\*Keep the rope perpendicular out of the outlet as far as possible, maintain a minimum angle ( $\leq 3$ degree) in order to ensure the accuracy of measurement and the tightrope of life;



### Serious attention

- Do not release the the rope head when pulled out, this will cause the sensor damaged;
- Do not exceed the line length.

## 5、The list of products in appendix

Displacement sensor

Usermanual

Product box

Other connectors (based on the product performance characteristics match)

---