

**DZ series Electrical Ruler**

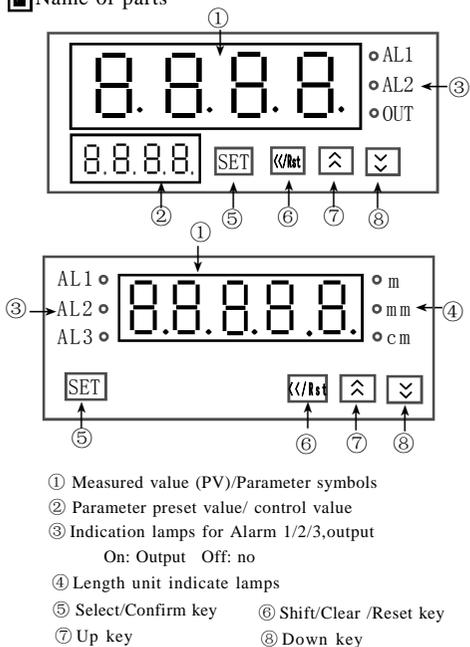
**User Manual**

Thanks a lot for selecting **MYPIN** products!  
 Before operating this instrument, please carefully read this manual and fully understand its contents. If have problems, please contact our sales or distributors whom you buy from. This manual is subject to change without prior notice.

★ **Applications**

The instrument provide isolated sampling power for precision potentiometer or resistance. Reset shift values by external terminals. Up to 6 configurable control outputs for position/shifting control. Optional data keeping/recording function and RS485, which connect to PC/PLC for remote control.

■ **Name of parts**

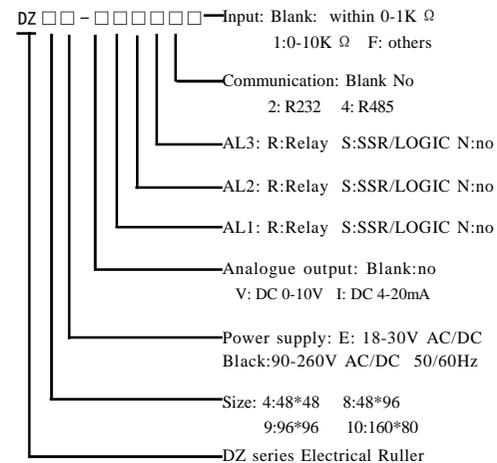


■ **Specifications**

Power	90-260V AC 50/60Hz or 15-30V AC/DC
Comsump.	≤ 5VA
Sampling	4 digit: ≤ 16 times/sec. 5 digit: 16-128 times/sec.
Accuracy	4 digit: 0.3% F.S ± 2digit 5 digit: 0.1% F.S
Alarm	Relay: NO AC 250V/3A or DC 30V/3A cos φ = 1
Input	Regular: Rt mA, V, etc. can be customized
Analog	0-10V or 4-20mA, free set for control output range by software
Ext. Power	DC 12/24V/30mA
Com.	RS232 or RS485 for option

Holing: 91+0.5X45+0.5mm(DR8)

■ **Models**

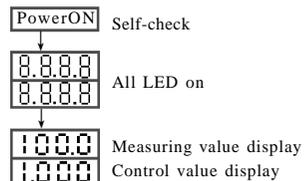


For example DZ8-RR4F-5K. means 48\*96\*80mm size, 90-260V AC/DC power supply, 2 alarms, RS485 interface, input: 0-5K Ω

■ **Parameters setting**

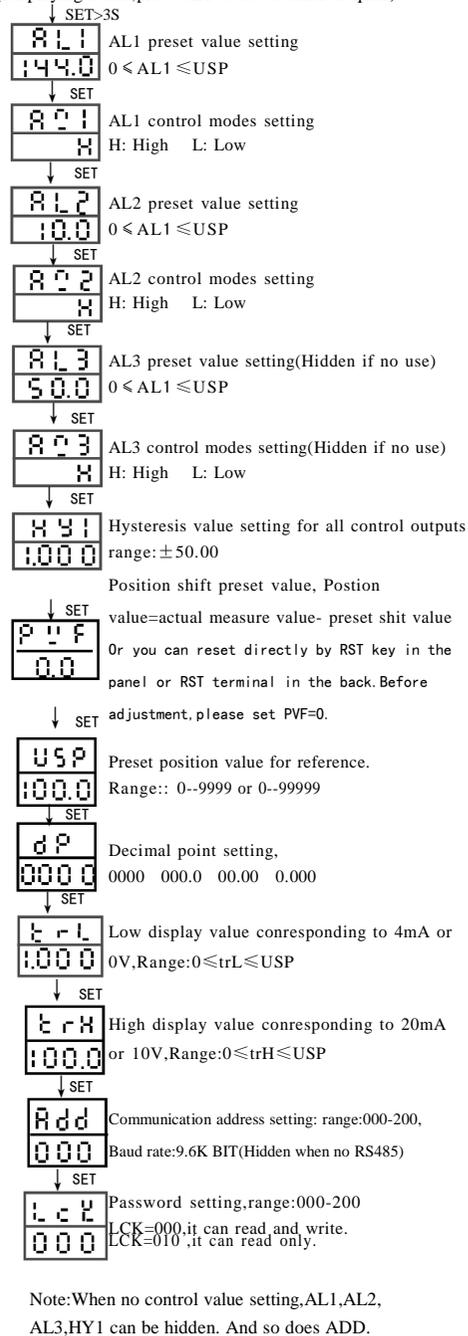
- Control parameters setting: In the displaying estate, press and hold SET key >3 sec. to enter the setting menu. Press <</RST key, LED flashes, press </> key to modify, and then press SET key to confirm. Press SET key again to read the following parameters one by one.
- Adjustment: At first, please well connect the equipment and sensor as per diagram. then power it on and enter the menu. Set USP=Preset position value wanted. PVF=0.000. In zero position, press </> key >5sec. until OK flashes, value like 0.0 or near will displays. then you finish the zero point setting. Then in preset USP position, press </> key >5sec. until OK flashes, and actual range value displays. then you finish the range setting. If error is big, please repeat the adjustment.
- Position shift operation: In displaying estate and no key operation, press <</RST key until 0 displays. It's done.
- The instrument will return to the displaying estate without any operation for 25 sec.

■ **Operation process**



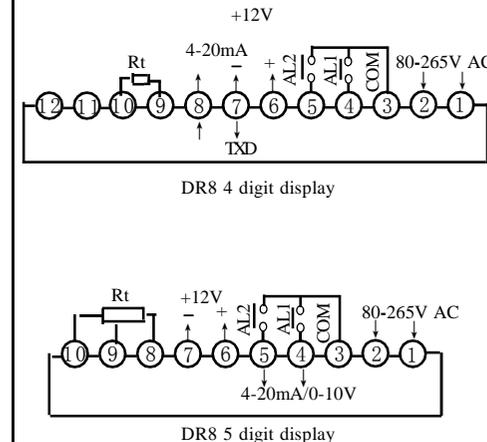
Alarm parameter setting

(Displaying estate, press SET <3sec. to enter or quiet)



Note: When no control value setting, AL1, AL2, AL3, HY1 can be hidden. And so does ADD.

■ **Diagram (Subject to real object)**



★ Any changes, please refer to the label in the meter

■ **Complete products contains**

- ★ 1 copy of user manual,
- ★ 1 inspection QC label,
- ★ 2 installing brackets.

We are responsible for the overall repairment for the failure of manufacturing quality within 12 months since the date of purchase. Repair fee will be charged accordingly for damage caused by improper use. The product has life-long warranty.

■ **Modbus protocol will be explained with the product**

■ **Main Products**

- Timer
- Time relay
- Temperature controller
- Panel meter
- Frequency/Tacho/Line-speed meter
- Proximity sensor
- Photo-electrical sensor
- Transmitter
- Sensor meter
- Power adjustor

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