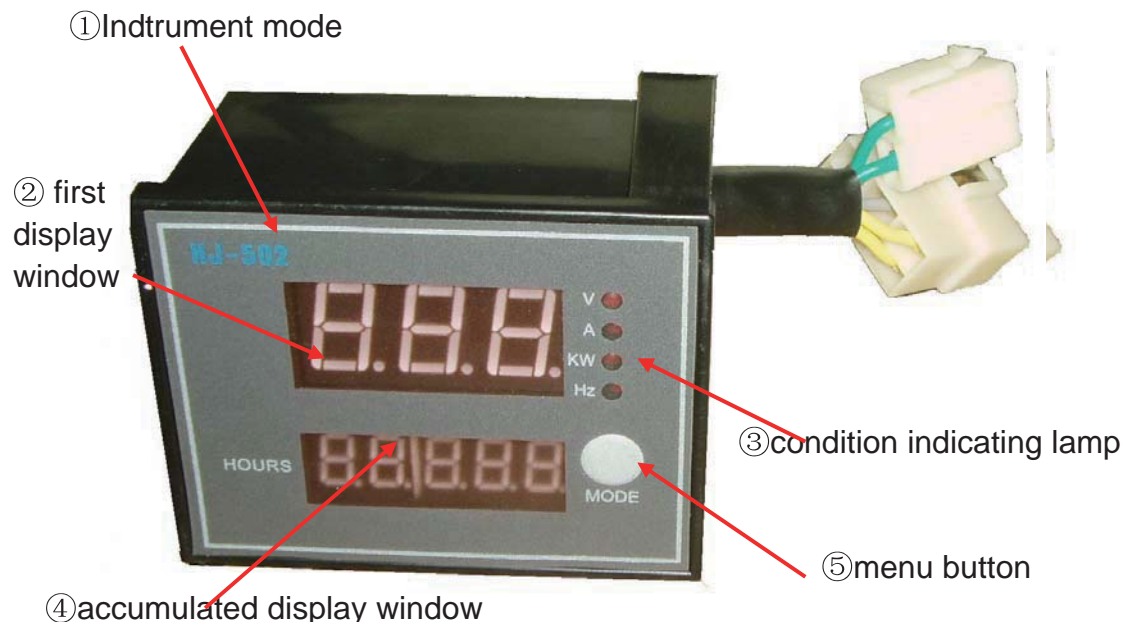


Instruction FOR LED4 DISPLAY

1 : brief introduction

HJ-502 is a specified display instrument for industrial generators and uses the most advanced ASIC as the core part for design. It displays the true RMS voltage, current, power, frequency, accumulation; has protection for high voltage, low voltage, over current, overloading, overlocking, low-frequency, low oil pressure and high temperature. Various tests data shows that the rich protecting functions can make users monitor the condition of the generators at any time. It is of high precision and easy operation, demonstrating as a strong product of high accuracy, reliability, and durability,

2 : display instrument introduction



① Instrument model: HJ-502

② first display window: Show voltage, current, power, frequency and alarming

③ condition indicating lamp: V voltage A current KW power Hz frequency

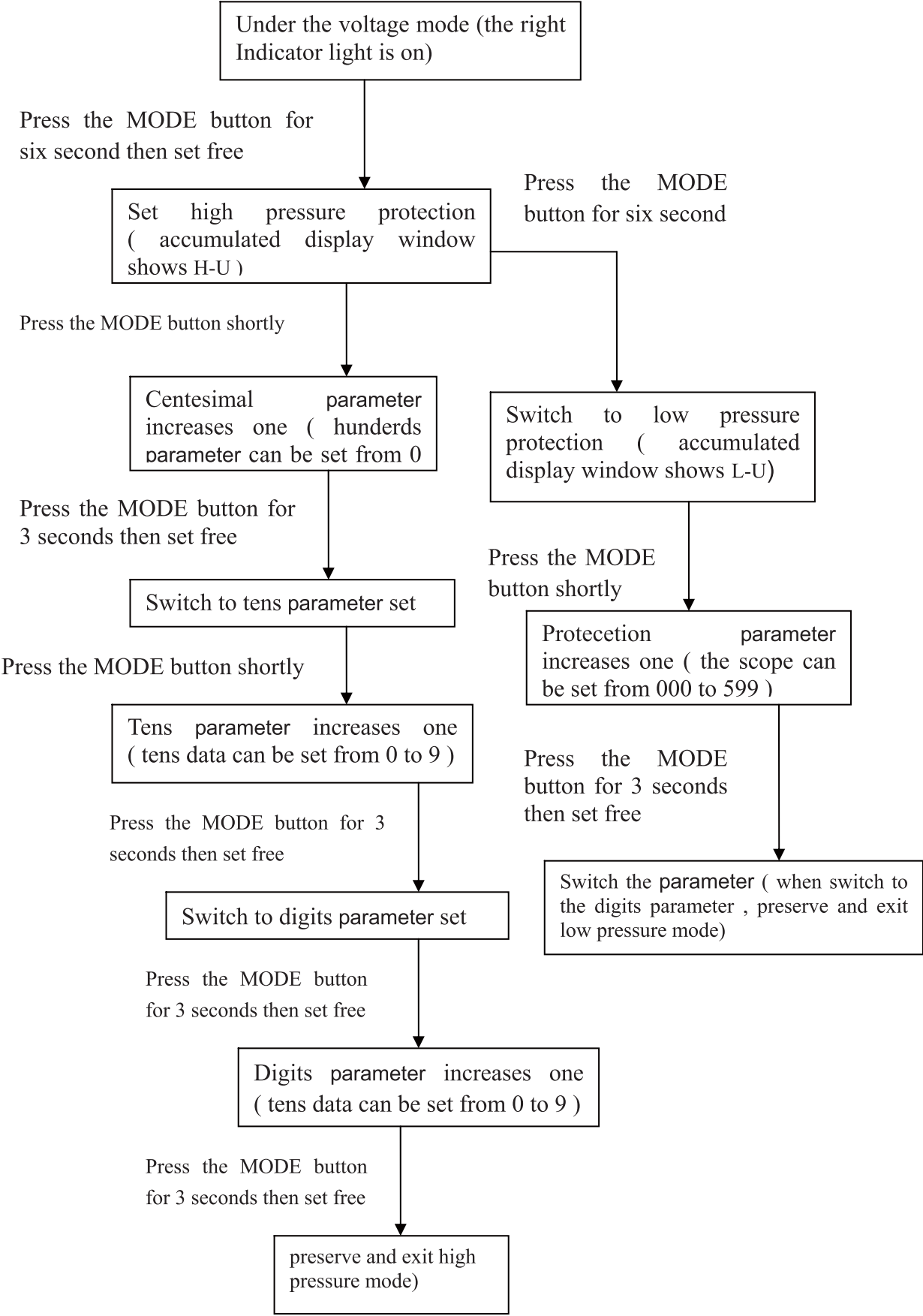
④ accumulated display window: displaying range: 0000: 0~9999.9 0.1 equals 6 minutes, various protections

⑤ menu button: switch mode, into protection setting, save and exit the mode, clear alarming

3 : protection setting

With all the connecting wires under the right condition, turn on the power switch, wait 3 seconds for the display "system resetting"; after successfully starting the generator, press "mode" shortly to view voltage, current, power, frequency and other data in turn.

(1)voltage protection setting



(2)current protection setting

Under the current mode,the right A indicator light is on,press"mode" 6 seconds and then release the button, it comes into the over-current protection settings.The time window shows H-I. The range of overcurrent protection parameters can be from 00.0 to 69.9A

(3)power protection setting

Under the power mode, ,the right KW indicator light is on, press"mode" 6 seconds and then release the button, it comes into the over-load setting. The time window shows H-P. The range of overload protection parameters can be from 00.0 to 69.9A

(4)frequency protection setting

Under the frequency mode, the right Hz indicator light is on, press "mode" 6 seconds and then release the button, it comes into the high-frequency protection settings. The time window shows HF. The range of high frequency protection parameters can be from 00.0 to 99.9Hz;

Under the high-frequency protection settings, press "mode" 6 seconds and then release the button, the system switches to low-frequency protection settings;The time window shows LF. The range of low frequency protection parameters can be from 00.0 ~ 99.9Hz;

4 : alarming

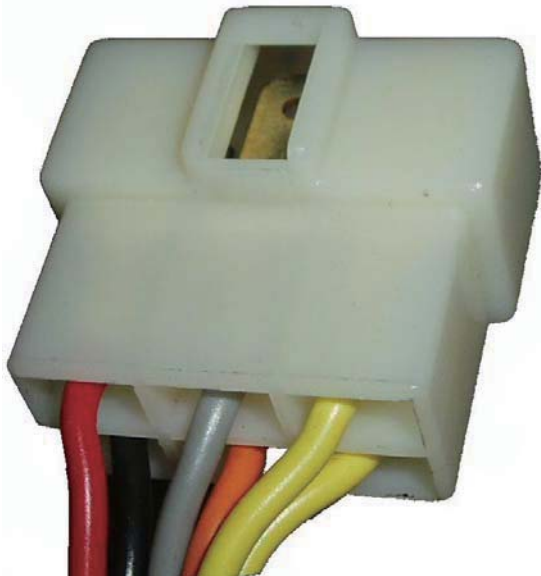
①Protection alarming: the parameter value would flash to warn once exceeds the established protection value.

②Malfunction alarming: LO (flash) Low oil pressure alarm; Ht (flash) high water temperature alarm

5 : Technical parameter

Sign source	City power/generator power
Working electricity pressure	DC: 8-20V (±5%)
Voltage detection range	0~500V resolving ratio 1V
Current detection range	0.0~50.0A resolving ratio 0.1A
power detection range	power detection range 0.0~20.0KW resolving ratio: 0.1KW
Frequency detection range	20.0~99.9Hz resolving ratio 0.2Hz
Accumulated working hours	Accumulate generator's working hour, save during off-electricity time; time range 0000 : 0~9999: 9 (ps: 0.1 equals 6 minutes)
Display mode	LEDdigital display
Temperature of working condition	-25 to 85°C
Temperature of storage condition	-40 to 85°C
Humidity	(20~90) %
Working life	More than 2 years
Specification	80×64×60 mm
Hole size	76×58×60 mm
weight	0.15 kg

6 : Wire port Description

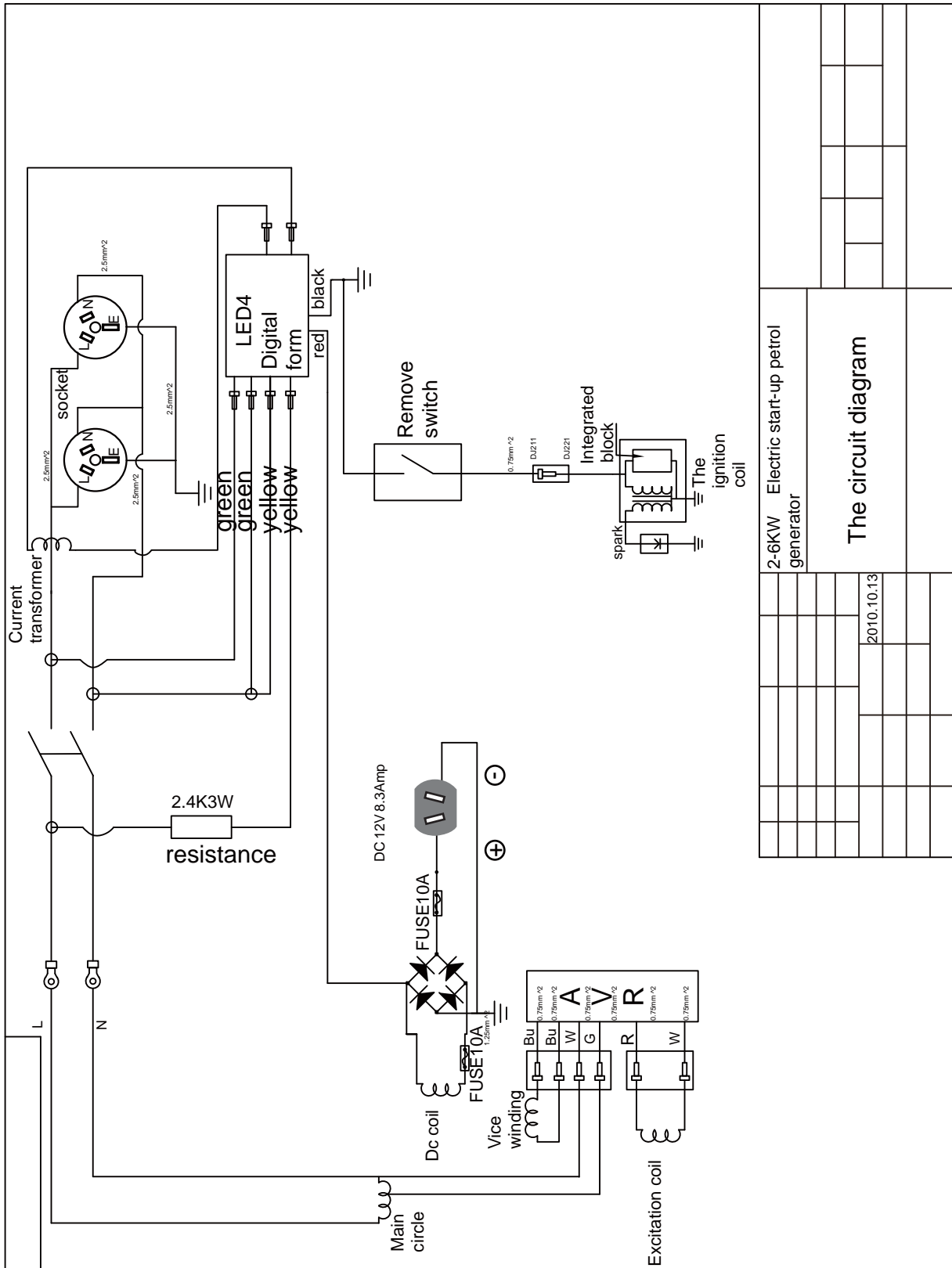


color	Red	black	grey	orange	yellow	yellow
linking wire	battery' positive electrode	battery' cathode	water tempetature detection	low oil pressure judge	normally closed spot(the power continuing device closed , normally closed spot disconnected under protection mode,press the "mode" button to restore normal closing.)	



Color	green	green
linking wire	Generator's output detection	

7: the diagram of the linking wire



The diagram is only for reference, should take the actual linking wires as the sample.