LCD Hour Meter – R8866B

Specifications

紹興華臻電子有限公司
SHAOXING HUA ZHEN ELECTRONIC CO., LTD

R8866B

Operating range	99,999.9
Start time	2 seconds
Display	Time Symbol flashes once a second and counts time.
Accuracy	±0.02%
Appearance	No deformation, bubble, flaw or unevenness. Clear lens, well joint.
Operating voltage range	DC9-60V; DC10-80V
Operating temperature range	-40℃ to + 85℃
Material	Case: ABS; Lens: PC
Terminals	3/16" faston; Max. 4 pins (optional)
Insulation	Resistance between electriferous parts and outside case is over 100MΩ
LCD Hour meter pass the following test:	
Humidity and high temperature	48 hours test at 55℃ Humidity varies from 60% to 95% RH
Alter temperature	Put hour meter in -40℃ frig for 2 hours and place it in normal temperature for 2-3 minutes, and then put it in 65℃ chamber for 2 hours, and place it in normal temperature for 2-3 minutes again. Repeat the above steps for 5 times and put the hour meter in normal temperature, pressure and humidity for 4 hours, and its operating precision is within 0.1%.
Vibration	According to JB/T7307-94, Item 3.6.3 regulations, test hour meter under vibration at set and swept frequency. After test place meter in normal conditions for 4 hours and its operating precision is within 0.1%.
Shock	According to JB/T7307-94, form-7 regulations, test hour meter in mechanical shock chamber. After test its operating precision is within 0.1%.
Seal	Put hour meter in -30℃ frig for 2 hours and place it in normal temperature for 2-3 minutes and place the hour meter in 85℃ water at the depth of 15cm, and find no air bubble.
Salt fog	16 hours salt fog test, instrument works well.
EMC test	Test have been carried out on a sample R8866B in accordance with ISO13766-2006; Electromagnetic emission radiated from construction machinery without exceed reference limits; Immunity of construction machinery to electromagnetic radiation and BCI without sensitive phenomena. During the conducted transients, sensitive phenomena is found and can recover normally.

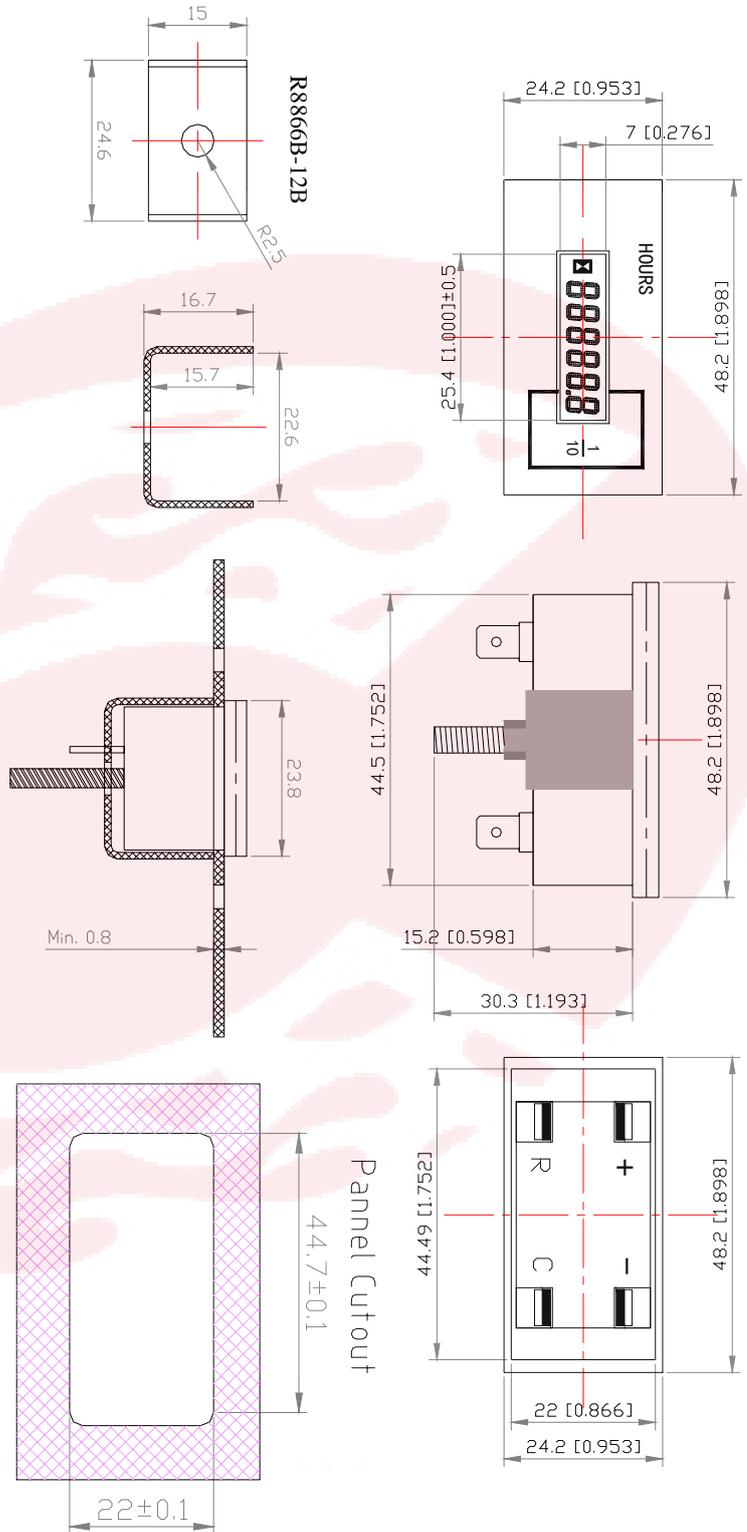Specifications subject to change without notification.

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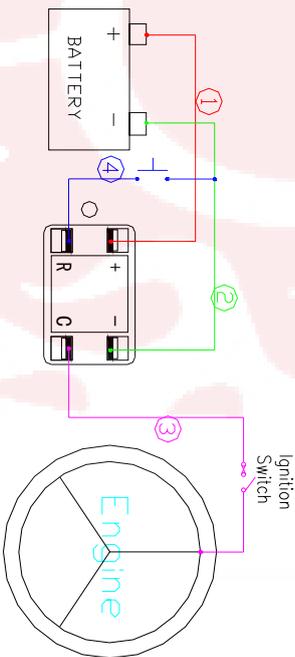
Dimensions

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Technical Specifications

1. Indicating range: 99999.9h.
2. Accuracy: ¡Ü0.02%.
3. EEPROM: retaining data for 25+ years with power off.
4. Terminal: Max. 4; 3/16" spade terminal (Faston included in hardware kit)
5. Self test: when connected to power + & -(Wiring ① & ②). Each digit on LCD shows one second and get ready to count hours.
6. Timing symbol: when counting time (Wiring ③), the sand-glass(time symbol) twinkles at 1 Hz.
7. Reset: pin 4 connected to ground for at least 2 seconds. (Wiring ④)
8. Operating voltage: DC9~60V.
9. Operating amparage: <10mA.
10. Operating temperater:-40¡ æ~+85¡ æ.
11. Comply to: SAE J1378; SAE K1445; JB/T7307-94

Pin	Function
+	Battery+
-	Battery-
C	Control
R	Reset

R8866B

R8866B-12B

24.2 [0.953]
7 [0.276]
HOURS
8888888
25.4 [1.000]±0.5
48.2 [1.898]
10   1

15
24.6
R2.5

16.7
15.7
22.6

23.8
Min. 0.8

44.5 [1.752]
48.2 [1.898]
15.2 [0.598]
30.3 [1.193]

R   +
C   -
44.49 [1.752]
48.2 [1.898]
22 [0.866]
24.2 [0.953]

Pannel Cutout
44.7±0.1
22±0.1

BATTERY
+
-
R   +
C   -
Engine
Ignition Switch
① ② ③ ④

Hour meter R8866B

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Herein unspecified tolerance complies with GB/T1804-m regulations

图样标记	数量	重量	比例
共 张			1:1
第 张			

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Optional Functions

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R8866B-2P
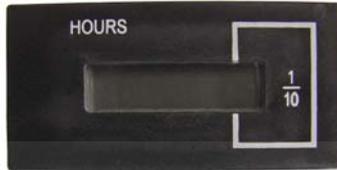
2 pins Hour meter: Hours can't be reset

+ operating voltage (via ignition switch)

− common ground

Hour meter shows accumulated hours and counts time as ignition switch turned on.

3 pins Hour meter: Hours can't be reset

+ operating voltag

− common ground

→ hour meter shows accumulated hours but not counts time.

C signal input, to engine W

→ Turn on the key enables counting, and time icon flashes @ 1 Hz

4 pins Hour meter: Resetable

+ operating voltage

− common ground

→ hour meter shows accumulated hours but not counts time.

C signal input, to engine W

→ Turn on the key enables counting, and time icon flashes @ 1 Hz

R reset → Connect to ground for 2 seconds, hour meter resets.