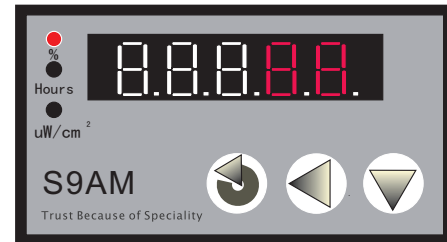


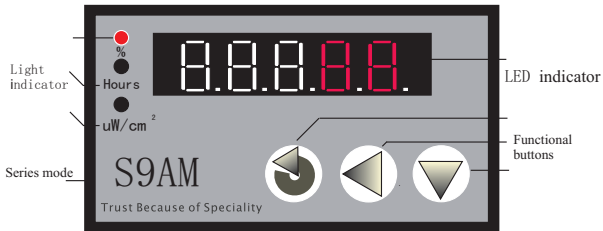
UV monitor CHS9AM series



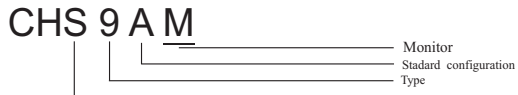
operation manual

Appearance of monitor introduction

(1). UV monitor CHS9AM series



Mode explanation



Basic function description

- Mega-functional MCU built-in controller with high steady
- MIN 48*94 standard control plate
- 5 units (0.56 inches) LED display
- Output industrial standard signals & Convenient used for embedded system
- Easily operation for users
- Input voltage range : 85--265V AC
- UV lamp lighting time accumulated automatically
- Lighting intensity attenuate 50% off alarming

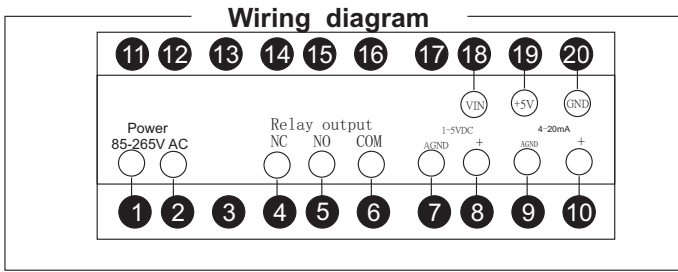
Technology parameter

Voltage: 85-265VAC 50/60Hz	Measurement range: 0-19999uW/cm ²
Measurement accuracy : ± (0.2%FS±1bite)	Input voltage: linear 0-5VDC
Output specific(linear): ①Output voltage (isolated): 1-5VDC ②Output current (isolated): 4-20mA ③Passive delay output (resistor load): 250VAC 3A/30VDC 3A	Display solution: 5units LED
	Size: 48*96*105
	Consumption: ≤5W
Installation mode: embeded	Weight : 420 g
Working temperature: 0~+50℃	Working humidity: 35~85%RH

⚠ Herein outputs analog signals inside connected same AGND without isolated.

⚠ Safety notice

- Must fixed/debug under expert or professional staff
- Cut down the power for the unit, then do installation.



⚠ Herein outputs analog signals inside connected same AGND without isolated. Analog signals(4-20mA/ 1~5VDC) output value corresponding to the relative value of UV 0~100%.

Blue cable:Vin-18 /Brown cable:5VDC-19 /Black cable:GND-20

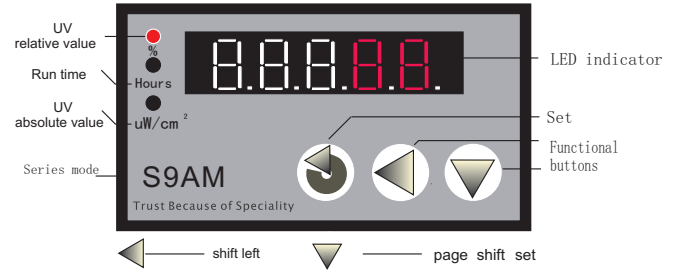
Port No.	Name	Function	Note
1、2	POWER	POWER INPUT PORTS	
4、6	NC	NORMAL CLOSED	
5、6	NO	NORMAL OPEN	
7、8	1-5VDC	VOLTAGE OUTPUT PORTS	Port7-GND
9、10	4-20mA	CURRENT OUTPUT PORTS	Port9-GND
18	Vin	SIGNALS INPUT FOR SENSOR	
19、20	5VDC/GND	SENSOR POWER CABLE	POWER PROVIDED BY APPARATUS

Symbol description

Symbol	Item	Operation	Adjust Range	Note
C-00	UV relative value	Enter in the parameters setting mode,keep pressing the "SET" button lasts 3S.	100%	Set the UV value as whole reference value in order to monitor the UV lamp attenuation.
C-01	C-00	Press "SET" enter in the parameters indicate mode,press "SET" button enter in parameters setting mode. Press the "page shift set" button to adjust the unit value. Press the "left shift" button to change the unit needs to adjust. Setting over press the "SET" button lasts for 3s, start device memory and back to standby mode.	0-100%	According the actual requirement, set the lamp low limited warning line. In case the inspected value lower than last value, warning up and the delay be activated.
C-02	C-00	Page turned to C-02 parameters setting mode, press the "SET" button enter in the parameters indicate mode. Then press the "SET" button enter in the parameters setting mode, details as same reason as C-01 setting.	0-19999Hours	After set the lamp using time. In actually, run time when the totally run time exceeds the original setting time. Warning up and delay be activated.

OPERATION DESCRIPTION

1) FACE PALTE EXPLANATION



2) Description:

2. 1) Press the "page shift set" button, switchover the display. When switch on the parameters setting plate, C0-C4 would shown. Then press the "set" button, then will show nowtime parameters values. Re-press the "set", enter in the parameters setting mode. The value you setting will falshing, press the "page set button" to adjust --add or sub. Use the "left shift" button to change the setting unit. After all setting, press the "SET" button 3s to quit setting mode and return to value-shown mode. Press the "page shift set" button return to code-shown mode. Details value names are on the plate.

2. 2) Convenient for client to zero clearing setting and reset setting operation. The apparatus can up to those functions.

① zero clearing setting

enter in the "run time" mode, press the "SET" button 3S

② reset setting

if you need to set thr "UV relative value" up to 100%. enter in the "C-00" mode, then press the "SET" button and dis-release into the value-shown mode, then press the "SET" button and dis-release into the 100% value-setting mode, three indicators flashing at this time, press the "SET" button 3S.

After above, the show value set to 100% well and turn back to normal mode.

Buttons functional operation explanation

SET: Under the parameter setting mode, valid in UV running mode, keep pressing 3S to zero clearing.

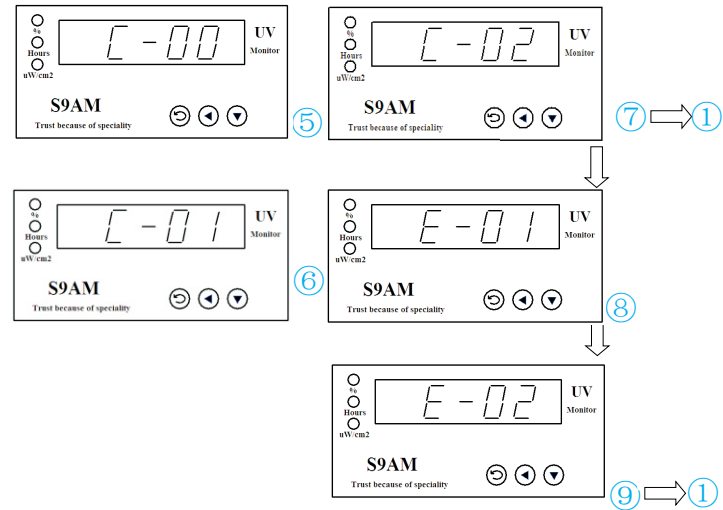
shift left: Under the parameter setting mode, change the unit need to adjust. the flashing unit can be change. "shift left" button is circle run. Invalid in other modes.

page shift left:

- ① under the parameter setting mode, press the button to change the show mode just as parameters or codes modes.
- ② under the parameter setting mode, press the button back to parameters code mode.
- ③ under the parameter setting mode, press the button back to parameters value mode.

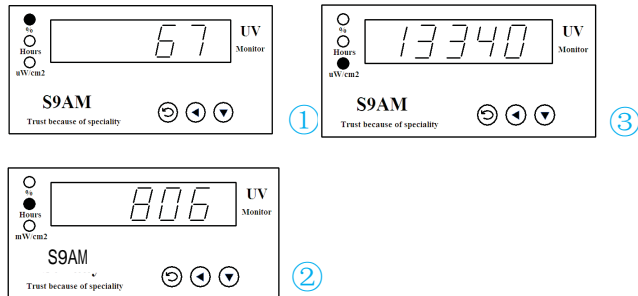
combination:

under the parameter setting mode, press the "SET" + "page shift left" buttons can back to parameters code mode without record the setting parameters.



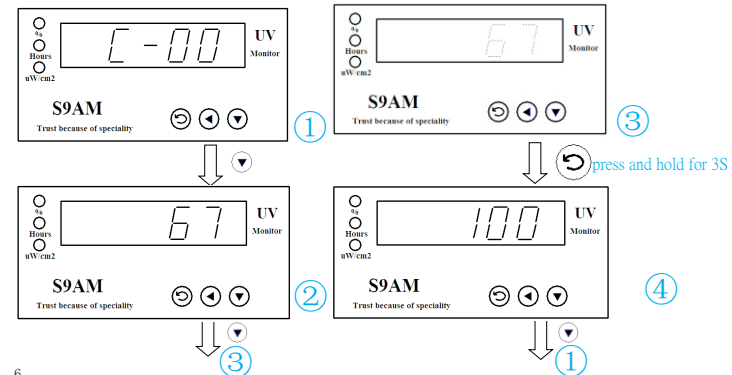
Display plate and operation processing

A--press the "page shift left" button to circle display the interface step ① to ⑨



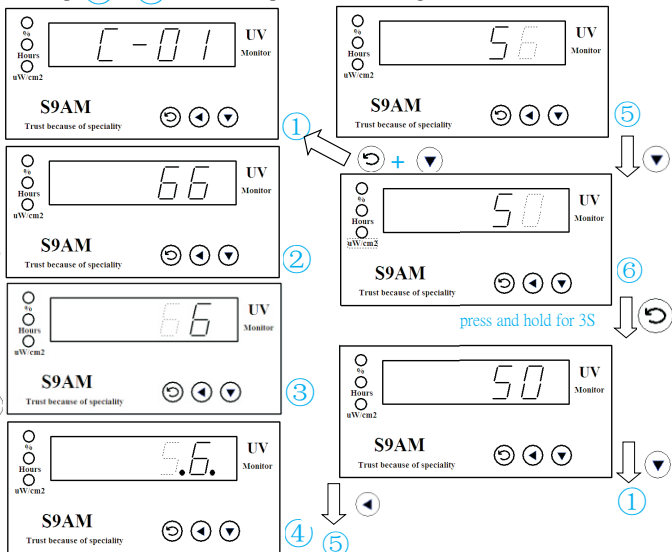
Parameters adjustment steps (for parameters C-00):

B--Step ① to ⑦ for C-00 parameters setting



Parameters adjustment steps (for parameters C-01):

C--Step ① to ⑦ for C-01 parameters setting



⚠ Parameters adjustment steps for C-02 same as above C-01 setting steps.

Function settings

Symbol	Item	Operation	Adjust Range	Note
C-00	UV relative value	Enter in the parameters setting mode, keep pressing the "SET" button lasts 5S.	100%	Set the UV value as whole reference value in order to monitor the UV lamp attenuation.
C-01	C-00	Press "SET" enter in the parameters indicate mode, press "SET" button enter in parameters setting mode. Press the "page shift set" button to adjust the unit value. Press the "shift left" button to change the unit needs to adjust. Setting over, press the "SET" button lasts for 5s start device memory and back to standby mode.	0-100%	According to the actual requirement, set the lamp low limited warning line. In case the inspected value lower than last value, warning up and the delay be activated.
C-02	C-00	Page turned to C-02 parameters setting mode, press the "SET" button enter in the parameters indicate mode. Then press the "SET" button enter in the parameters setting mode, details as same as C-01 setting.	0-19999Hours	After set the lamp using time, in actually run time, when the totally run time exceeds the original setting time, warning up and delay be activated.

Defective codes explanation

Symbol	Item	Description	Defects elimination
E-01	UV low limited warning	As the UV relative value down to 50% of original settings, device be warning.	1. Detector may be dirty, please do clearing. 2. The intensity of illumination may be weak, please replace the lamp.
E-02	UV lighting period exceeded warning	As the UV run time exceed to original settings run-time, device be warning.	Replace lamp

Dimension of appearance

