

* Terminal 6 is used for OFF terminal

Should not be used for Main Output.

*Auxiliary output(alarm/timer) use terminal 7, 8. Refer to 9 alarm output setting and 10 cycle timer setting.

< Terminals on

AC

100~

220V

Humidity

2

white

3

red

OUT1

(Main)

(1)Black (2)White (3)Shield

 $(\mathbf{1})$

black

Terminal

sensor

Hum. sensor

SU-503B

sensor

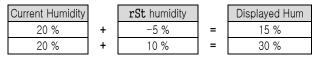
4. Sensor Connection Method

- ① sensor connection method
- Please connect as the right picture If you connect with the changed wired or use different type sensor 'Err' to be displayed.
- 2 senor wire extension method
- it is possible within 100m.
 You should use the shield inside cable, in order to prevent input noise
- ► The humidity sensor is electromagnetic induction method. It should be Installed in dry place because The instruction value may be changed because of moisture or a drop of water inside the sensor.
- ► The life time of the humidity sensor is 2 years.

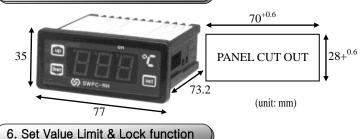
Sensor Input compensation (the current hum is different)

- If sensor cable is too long or sensor is old, there will be hum variation. At that time, use current hum compensation function (rSt).
- At the current hum displayed, press set for 3 seconds. If dIF displayed, release set. In order to move to rSt (hum compensation), press set several times.
- Input the compensation hum by using up&dn. If you press set for 3 seconds, it will be saved and the current hum will be compensated.

For example,



5. External & Panel Dimension

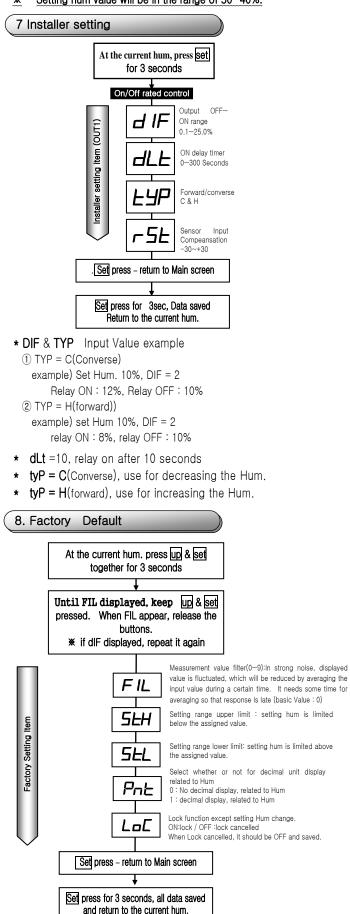


1 It is possible that users cannot change the default setting, by using lock function.

Default setting	Item	Setting	Description
	LoC	OFF	Locking off. All function setting possible.
		ON	Only locking and setting hum function
			possible.
	Item	setting	Description
	StH	50	Settable high hum value 50
	StL	40	Settable low hum value 40

▶ If you press set for 3 seconds, the value will be saved. After that the changed value will be applied.

★ Setting hum value will be in the range of 50~40%.



9. Product specification

Power Voltage	AC100~220V (50/60Hz) ±10%		
Power Consumption	Approx. below 5VA		
Input Sensor	Humidity : Capacitance type Humidity Sensor (Allowabe Line Resistance : within $5\Omega)$		
Display Method	Humidity: ±3% +1digit of displayed value		
Variation(dIF)	ion(dIF) 0.1 ~ 25.0		
Control Output	Relay Contact Output: OUT1 AC250V 10A(resistance load)/contact point life time: above 300K times (rated load)		
Control Method	ol Method ON/OFF control selection		
Setting Method	Digital Method by increase & decrease key		
Other Functions	Sensor input compensation, Delay Timer forward/converse selection.		
Ambient Temp	0°C ~ 50°C		
Ambient humidity	Below 85% RH		

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