

VE-981_Switch Value Temperature-humidity transmitter

Specification

1. Product description

VE-981 is an intelligent temperature and humidity controller with large LCD screen display and special ventilation design. It uses Sensirion® SHT20 sensor, which ensures the excellent measurement performance of the product

2. Application field

Widely used in communication room, intelligent building, workshop, warehouse, pharmacy store, library, museum, laboratory, office, ventilation ducts, greenhouses and other places.

3. Product features

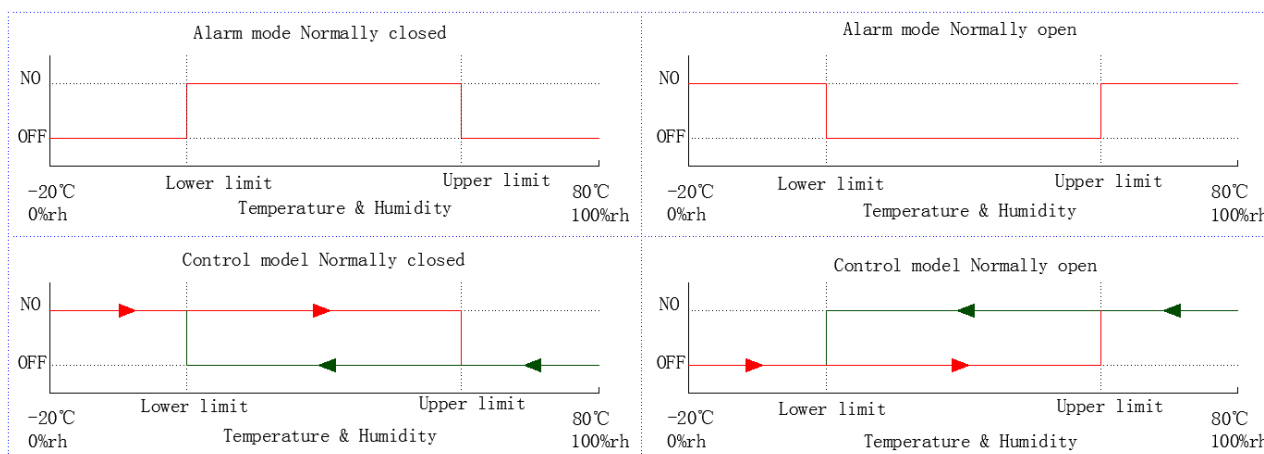
- High precision
- Beautiful and generous on appearance
- Password protection, prevent misuse of non staff
- Celsius temperatures to Fahrenheit switchable
- With dew point with analysis function
- The hanging ceiling structure design, easy to install
- The strong stability and anti-interference ability
- High precision, wide range, good consistency
- strong protective performance, lightning protection
- Temperature and humidity data recording and event record (optional)



4. Main technical parameters

Rated voltage	DC9V~DC26V (suggest 12V)
Measuring range	Temperature: -20°C~80°C Humidity: 0~100%rh
Measurement accuracy	Temperature: ±0.3°C Resolution 0.1°C Humidity: ±3%rh resolution 0.1 rh
Output interface	Switch Value
Output load	≤100mA
control logic	Control or Alarm mode can be set, please see the logic diagram
Output normal state	Normally open or normally closed can be set
T&H storage	Optional. Temperature and humidity recording and event recording customized, default none.
Communication interface	RS485/RS232. Default to RS485
Effective working area	10-20m2/piece
Installation method	Indoor wall installation, ceiling installation
Size	90*95*29mm

五、Output logic diagram



六、Operation instructions

In the initial page, press "up" "down" key can switch the display: TD (DEW), ID (address), baud (baud rate), do1 (first switch status), DO2 (second switch status), date (month, day) and time (hour: minute).


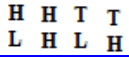
Setting: In the initial page, press "SET" button prompted for a password, the initial password is "0000", press "up", "down" key to adjust the flashing digit, press "SET" button to shift bit, enter the correct password and press the "ENTER" button to enter

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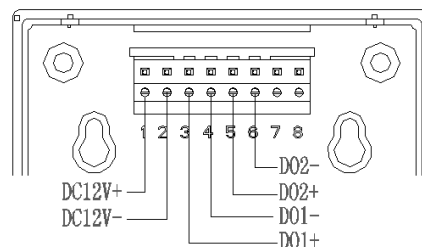
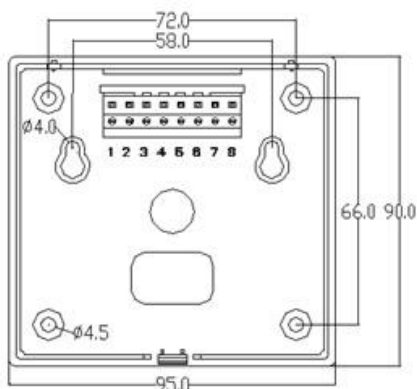
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the settings page, a total of 22 parameter setting pages, press "up" "down" keys to select the item page to be set, press "ENTER" key to set the parameter in that page, after the parameter adjustment is OK, press "ENTER" button to save the settings, press the "SET" key to return to the initial page. The right picture shows the buttons and settings page.

Setting page and parameter

page	parameter	explain	page	parameter	explain
P:01	address	1-247	P:12	TL	Low temperature alarm value or lower limit value of temperature
P:02	baud rate	1200-19200	P:13	HH	High alarm value or upper limit value of humidity
P:03	parity	n81、o81、e81	P:14	HL	Low alarm value or lower limit value of humidity
P:04	Temperature unit	C: Celsius; F: Fahrenheit	P:15	Temperature buffer	To prevent the relay jitter, default 0.1℃
P:05	D01 type	Ctrl: control model	P:16	Humidity buffer	To prevent the relay jitter, default 1 1rh%
P:06	D02 type	Alar: Alarm mode			
P:07	D01 enable	 0: Disable	P:17	date	Year, month, day
P:08	D02 enable	 1: Enable	P:18	time	Hour, minute, second
P:09	D01 state	OFF: Normally open state	P:19	password	Default is 0000
P:10	D02 state	ON:Normally closed state			
P:11	TH	High temperature alarm value or upper limit value of temperature	P:20	Recording time interval	Unit is minute, 1-1440 can be set up
			P:21	Zigbee ID	Zigbee type wireless network parameters
			P:22	Zigbee band	

七、Installation instructions



八、Quality Assurance

Warranty period is 12 months. In the warranty period, based on normal use and non-human damage, we offer free maintenance service.

九、Cautions

1. Do not install directly in the heat source, cold source, or under the sun
2. Prohibit a long time in the steam, water curtain, curtain or condensing environment.
3. Dust or other contaminants in the environment, the product must be cleaned regularly.