

WHD-7000 temperature&humidity controller



Instruction Manual

Introduction

Thank you for purchasing this TAISUO product. Read this instruction manual and thoroughly familiarize yourself with the functions and characteristics of the product before using it. Keep this instruction manual for future reference.

CAUTION

Do not touch terminals while power is being supplied. Doing so occasionally result in minor injury due to electric shock.

Perform correct setting of the product according to the application. Failure to do so is may occasionally cause unexpected operation, resulting in minor or moderate injury or damage to equipment.

Ensure safety in the event of product failure by taking safety measures, such as installing separate overheating alarm system. Product failure may prevent control operations of alarm output, resulting in damage to the connected facilities and equipments.

Do not allow pieces of metal, wire clippings, or fine metallic shavings or filings from installation to enter the product. Doing so may result in electric shock, fire, or malfunction.

Do not use the product in locations where flammable or explosive gases are present. Doing so may result in minor or moderate explosion, causing minor or moderate injury, or property damage.

Do not attempt to disassemble, repair, or modify the product. Doing so may occasionally result in minor or moderate injury due to electric shock.

Specifications

Input	temperature and humidity integrated module sensor
Humidity Accuracy	3.0%RH
Temperature Accuracy	±1°F, S. ±1 digit
Power supply	100-240VAC
Ambient environment	0-50°C
Transmission function	This instrument transfer temperature or humidity signals into standard 0/4-20mA signals.
Rs485 interface	With Rs485 interface; MODBUS/RTU protocol, it is convenient to connect to PC. 128 devices can be connected maximum.

Operation levels in temperature part

Level 1 Press SET key 3 seconds. Following parameters will show in the displaying windows in temperature part.

SL	lower limit of temperature setting value when temperature lower than this value, then heating load will be active.
HYL	Dead band of the lower limit
SH	higher limit of temperature setting value when temperature higher than this value, then cooling load will be active.
HYH	Dead band of the higher limit
SC	Compensation for the sensor measuring value when there is an error on measuring value, please set this value to decrease the error.
f	Time cycle for switch displaying higher/lower limit value in SV window. Default setting value is 10 seconds, so after each 10S, SL and SH value will display in SV window.
LCK	Parameter lock. When this parameter is set as 010, and press SET and Down keys at the same time to enter the second parameter setting level.

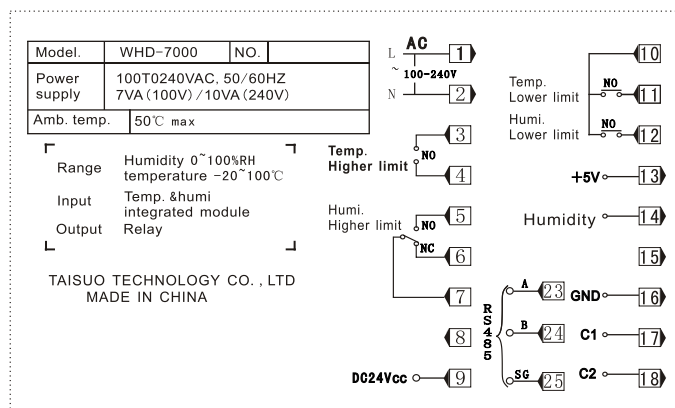
Level 2 Press SET and Down keys simultaneously when LCK=010

Add	Device address number on Rs485 interface MODBUS/RTU protocol
bPS	Communication speed
b1f	Communication checking bit; digit structure
Inf	Delay time of feedback on serial communication

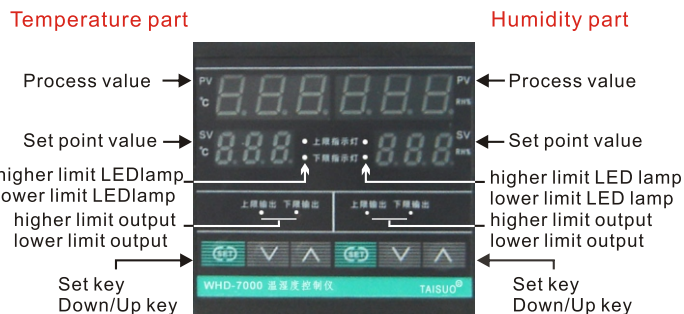
Operation levels in humidity part

The operation parameter levels in humidity part is same as temperature part. All parameter signals and meaning are same. Please see temperature part operation instruction.

Wiring diagram



Names of parts on front panel



Contact

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