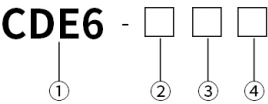




- 特点 Features
- 有4种工作模式可选，可设置环境温湿度阈值。
 - 电容式湿度传感器，功耗低，性能稳定；
 - 无源继电器输出，可用于驱动散热风扇、TEC、加热丝等装置；
 - 继电器的工作状态由LED指示灯指示；
 - 工作电源电压AC100V~240V；
 - 尺寸超小，宽度仅18mm，35mm卡轨安装；
 - 适用于控制配电柜的温湿度范围；
- Four working modes are optional, and the ambient temperature and humidity thresholds can be set.
- Capacitive humidity sensor, low power consumption, stable performance;
- Passive relay output, can be used to drive cooling fan, TEC, heating wire and other devices;
- The working status of the relay is indicated by the LED indicator;
- Working power supply voltage AC 85-240V;
- Ultra-small size, only 18mm width, 35mm card rail installation;
- Applicable to control the temperature and humidity range of power distribution cabinets;



选型说明 Model Designation



序号 No	项目 Item	代号 Code	说明 Description
①	产品名称 Product name	CDE6	Temperature and humidity controller
②	功能代号 Function code	1	1 组输出 1 group output
③	输出触点 Output contact	10	输出触点 10A Output contact 10A
④	额定工作电压 Rated operating voltage	Z	AC/DC 100-240V 50/60Hz
		A-Z 字母组合 A-Z letter combination	定制电压 Custom voltage

常用型号 Common Model

产品型号 Product model	功能 Feature	输出触点参数 Output contact parameters	额定电压 Rated voltage
CDE6-110Z	温湿度控制 Temperature and humidity control	1组输出触点Ith:10A,Ie:2.5A 1 set of output contacts Ith:10A, Ie:2.5A	AC/DC100-240V

注：以上为常用型号参考，未在表格内的参考选型说明。
Note: The above is a common model reference, not in the table reference selection description.

技术参数 Technical Parameters

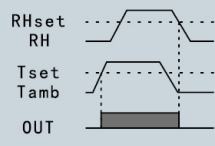
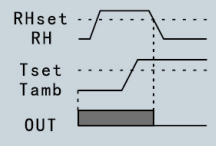
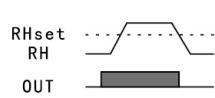
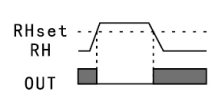
	CDE6-110Z
功能 Feature	温湿度控制 Temperature and humidity control
电源端子 Power terminal	A1-A2
额定工作电压 Rated work voltage	AC85-240V 50/60Hz
消耗功率 Power consumption	1W
电源指示灯 Power indicator light	绿色LED Green LED

技术参数 Technical Parameters

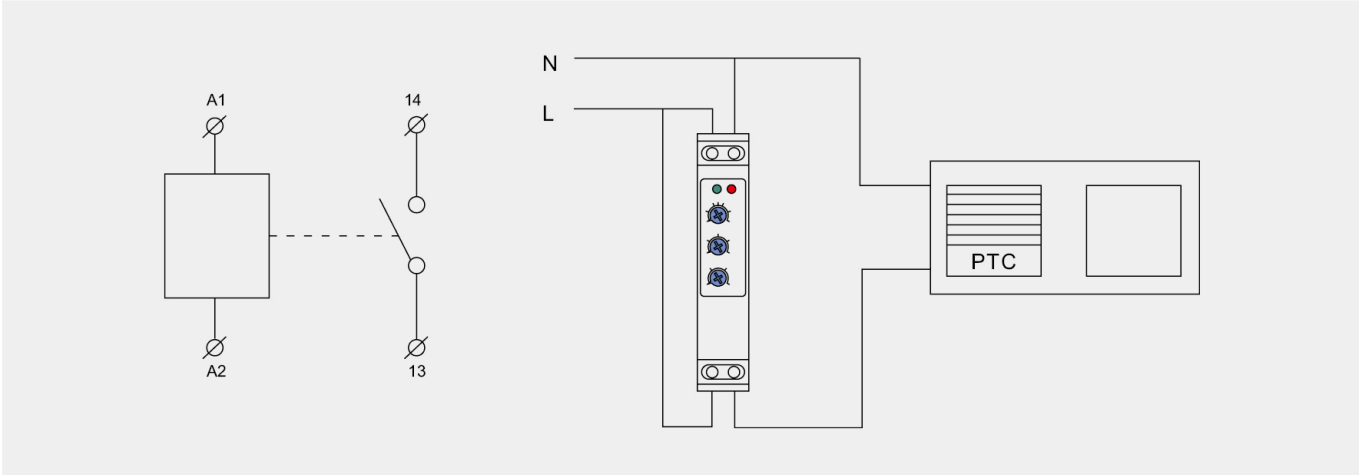
继电器状态指示灯 Relay status light		CDE6-110Z 红色LED Red LED
设定范围 Set range	温度 Temperature	10°C~60°C
	湿度 Humidness	50%~90%RH
精度误差 Precision error	温度 Temperature	±2°C
	湿度 Humidness	±3% (20%~80%范围) ±7% (<20% or >80%) ±3% (20%-80% range) ±7% (<20% or >80%)
输出触点参数 Output contact parameters		1 组输出, 10A 250VAC/24VDC 1 set output, 10A 250VAC/24VDC
工作环境温度 Operating ambient temperature		-20°C~+55°C
存储和运输环境温度 Storage and transportation ambient temperature		-35°C ~+75°C
安装方式 Installation mode		35mm 卡轨安装 35mm card rail installation
安装海拔高度 Installation elevation		≤ 2000m
污染等级 Pollution level		2
接线能力 Wiring capacity		1×2.5mm ² 或 2×1.5mm ² 0.4N·m
外形尺寸 Overall dimension		90mm×18mm×50mm
重量 Weight		65g

工作模式 Working mode

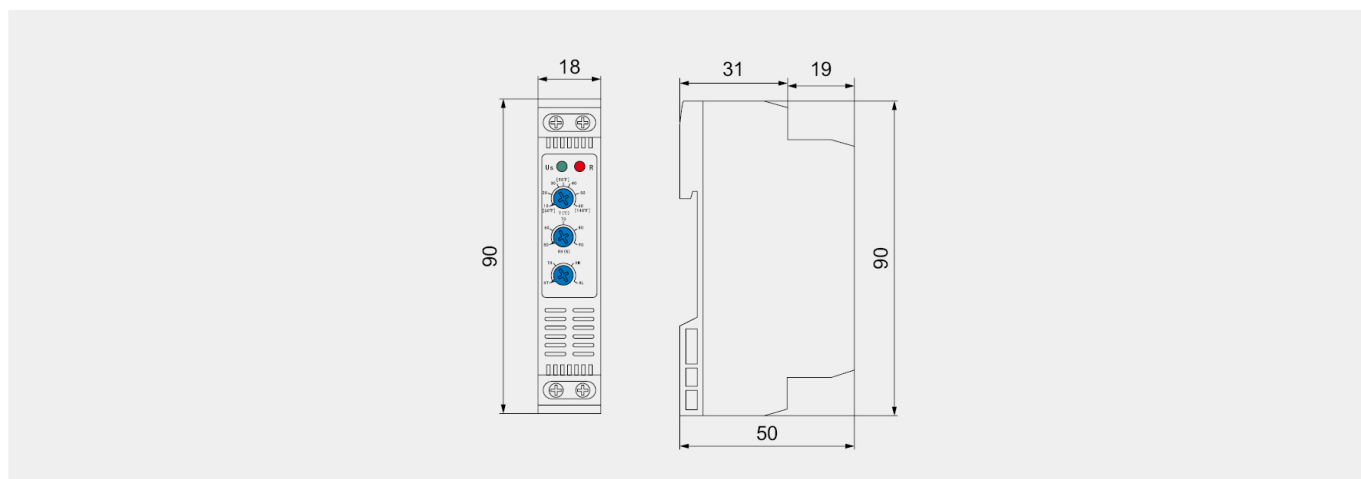
RH:环境湿度, RHset:设定湿度, Tamb:环境温度, Tset:设定温度, OUT:输出状态
RH : ambient humidity, RHset : set humidity, Tamb : ambient temperature, Tset : set temperature, OUT : output status

HT 模式 HT vode	 RHset RH Tset Tamb OUT RH>RHset 或者 Tamb>Tset 时 OUT 输出有效 OUT output is valid when RH>RHset or Tamb>Tset	TH 模式 TH vode	 RHset RH Tset Tamb OUT Output active when RH<RHset AND Tamb<Tset.
HM 模式 HM vode	 RHset RH OUT RH > RHset时OUT输出有效 OUT output is effective when RH > RHset.	HI 模式 HI vode	 RHset RH OUT Output active when RH<RHset.

接线图 Wiring diagram



外形与尺寸 Shape and Size (mm)



使用注意事项 Using Precautions

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- 要求极高可靠性的应用场合，包括核能、燃气、电力等要求长期稳定运行的系统。
- 要求极高安全性的应用场合，涉及人身安全与财产的情况。
- 苛刻条件、严酷环境的应用场合，包括室外、存在化学污染、电磁、振动或冲击影响的环境。
- 有火灾或爆炸风险的应用场合，包括存在易燃易爆性气体、强酸强碱化学品等物质的环境。
- 涉及军工用途、航天航空项目的应用场合。

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- Applications requiring very high security, situations involving personal safety and property.
- Applications in harsh conditions, harsh environments, including outdoor, chemical contamination, electromagnetic, vibration or shock effects.
- Applications where there is a risk of fire or explosion, including environments where flammable and explosive gases, strong acids and alkali chemicals are present.
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