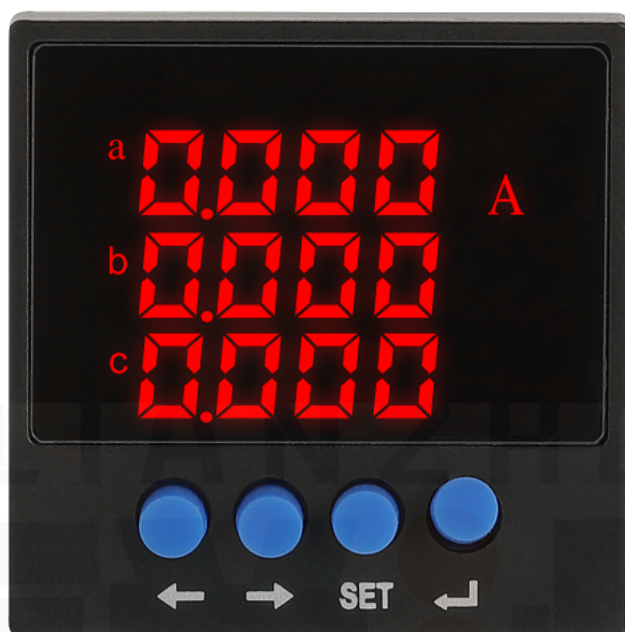


## 一、概述

JH4U1-DK4三相数显电流表是一种可编程智能仪表，采用大规模集成电路和亮度、长寿命更长的LED显示，应用数字采样技术，对三相电气线路中的相电压、线电压进行实时测量、显示和控制，并通过RS485接口或模拟量变送输出接口对被测量电压数据进行远传。



## 特点

- ◎真有效值测量、整四位LED/LCD显示
- ◎软件调校、内部无电位器(精度高、稳定性好、长期工作免调校)
- ◎可编程通过面板按键任意调节显示值1~9999

◎可选带通讯功能◎可选一路模拟量输出(DC4-20MA/0-20MA/0-5V)

◎可选带上下限报警控制功能◎可选两路开关量输入

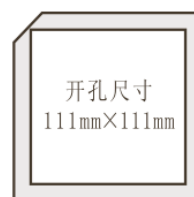
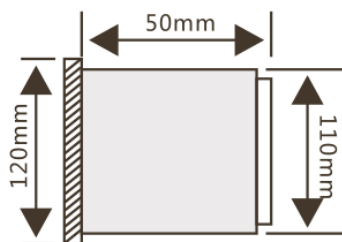
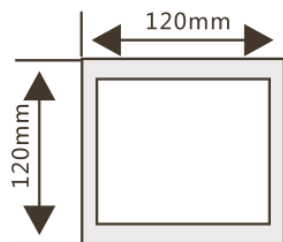
## 二、技术参数与选型

|           |       |                                 |
|-----------|-------|---------------------------------|
| 输入        | 输入    | 电压、电流:请根据实际仪表上面的标称值接入           |
|           | 过载    | 持续1.2倍, 瞬时:电压2倍/1S 电流10倍/5S     |
|           | 扩展    | 配互感器或分流器扩展量程                    |
|           | 过量程显示 | 当前数据+N*9999                     |
|           | 频率    | 50Hz±10%                        |
| 电源        | 电源    | AC220V±10%(45~55Hz)(其它电源订货须说明)  |
|           | 功耗    | <2W                             |
| 显示        | LED   | 四位三排, 显示数据更新时间: 1S              |
|           | 显示    | 9999                            |
| 精度等级      |       | 0.5%                            |
| 隔离耐压      |       | 2KV/50Hz/1min                   |
| 绝缘电阻      |       | ≥100MΩ                          |
| 平均无故障工作时间 |       | ≥50000h                         |
| 工作条件      |       | 环境温度: -25C 55C, 相对湿度≤93%无腐蚀气体场所 |
| 海拔高度      |       | ≤2500m                          |

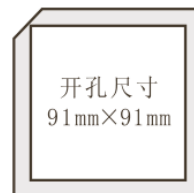
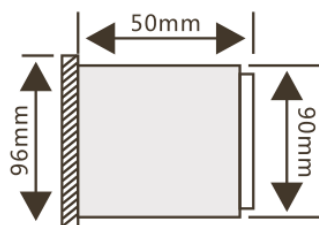
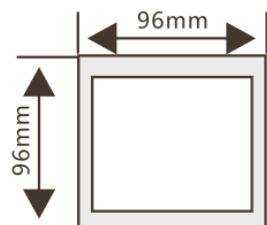
选型表

## 三、外形及安装尺寸

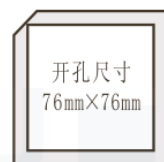
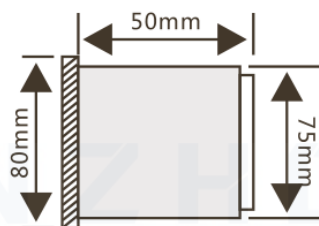
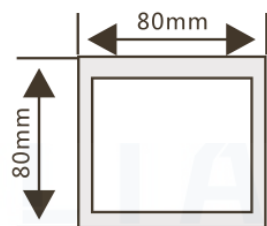
◆ 120mm×120mm



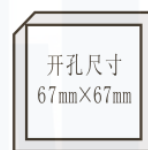
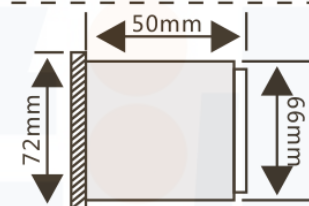
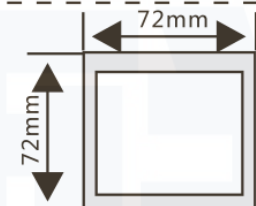
◆ 96mm×96mm



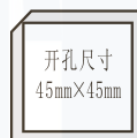
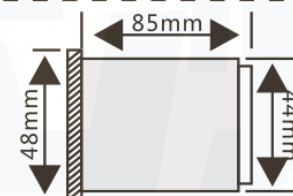
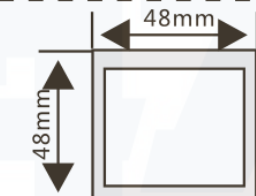
◆ 80mm×80mm



◆ 72mm×72mm

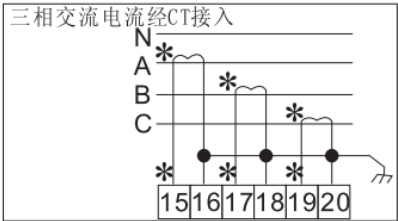
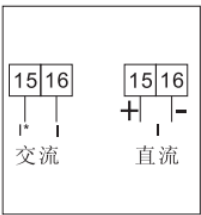


◆ 48mm×48mm

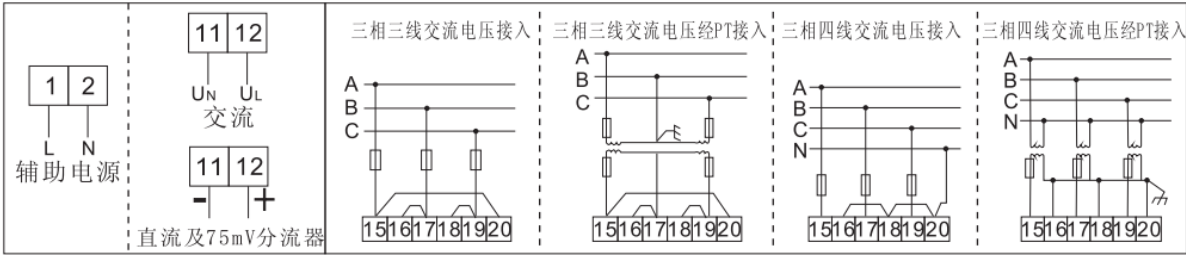


#### 四、接线示意图

◆ 输入电流信号接线



◆ 输入电压信号接线



◆ 扩展功能接线



五、参数设置流程示意图

Figure 1 illustrates the meter parameter setting menu flowchart, organized into levels (Menu, Code, SER, InPr, Conn, do-1, Ao-1) and corresponding parameter settings.

**Menu Flow:**

- Menu** (Main Menu)
- Code** (Parameter Code)
- SER** (Serial Port Settings)
- InPr** (Input Parameters)
- Conn** (Communication Settings)
- do-1** (Digital Input 1)
- Ao-1** (Analog Output 1)

**Parameter Settings and Ranges:**

- SER** (Serial Port Settings):
  - dISP** (Display): 0000 to 0001 (电量显示方式: 0-10)
  - bLEd** (Backlight): 0001 to 0002 (此项无意义)
  - CLrE** (Clear Error): (按  $\leftarrow$  电能清零)
- InPr** (Input Parameters):
  - nER** (Signal Network): n34 to n33 (信号网络)
  - UScL** (Voltage Range): 100 to 400 (电压范围)
  - IScL** (Current Range): 1 to 5 (电流范围)
  - r. U** (Voltage Multiplier Range): 0001 to 0002 (电压倍率范围: 1-9999)
  - r. I** (Current Multiplier Range): 0001 to 0002 (电流倍率范围: 1-9999)
- Conn** (Communication Settings):
  - Sn** (Communication Address Range): 0001 to 0002 (仪表通讯地址范围: 1-247)
  - bAUD** (Baud Rate): 4800 to 9600 (波特率)
  - dAtA** (Data Format): n8.1 to 28.1 (协议格式)
  - Pr.of** (Protocol Format): Word to byte (协议格式)
- do-1** (Digital Input 1): 0000 to 0129 (另三路类似)
- Ao-1** (Analog Output 1): 0000 to 0129 (另三路类似)

**Navigation and Saving:**

- SAVE** (Save): Press  $\rightarrow$  to save and exit, or  $\leftarrow$  to exit without saving.
- Menu** (Main Menu): Press  $\leftarrow$  to return to the main menu.

**Additional Information:**

- 密码范围 0~9999** (Password Range 0~9999): The flowchart shows a sequence of **Code** values (0000, 0001, 0002, 0003, 0004, 0005, 0006, 0007, 0008, 0009, 0010, 0011, 0012, 0013, 0014, 0015, 0016, 0017, 0018, 0019, 0020, 0021, 0022, 0023, 0024, 0025, 0026, 0027, 0028, 0029, 0030, 0031, 0032, 0033, 0034, 0035, 0036, 0037, 0038, 0039, 0040, 0041, 0042, 0043, 0044, 0045, 0046, 0047, 0048, 0049, 0050, 0051, 0052, 0053, 0054, 0055, 0056, 0057, 0058, 0059, 0060, 0061, 0062, 0063, 0064, 0065, 0066, 0067, 0068, 0069, 0070, 0071, 0072, 0073, 0074, 0075, 0076, 0077, 0078, 0079, 0080, 0081, 0082, 0083, 0084, 0085, 0086, 0087, 0088, 0089, 0090, 0091, 0092, 0093, 0094, 0095, 0096, 0097, 0098, 0099) for password settings.