

一、概述

RG194U-DS4三相数显电压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

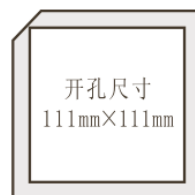
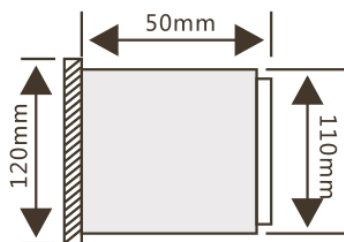
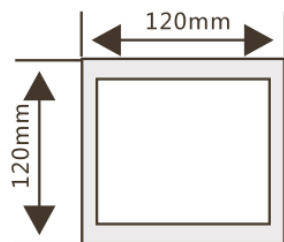
二、技术参数与选型

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

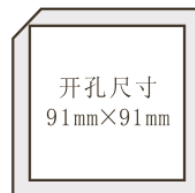
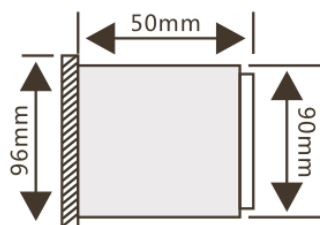
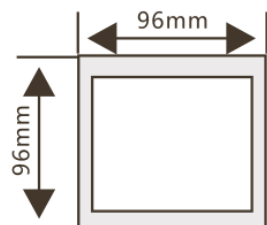
选型表

三、外形及安装尺寸

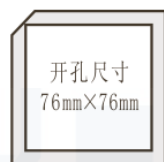
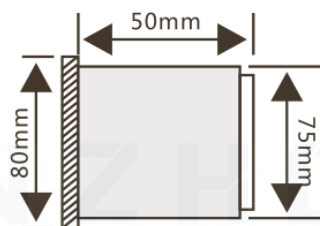
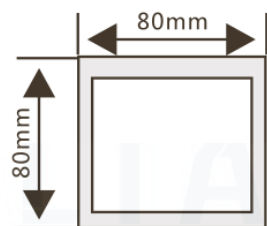
◆ 120mm×120mm



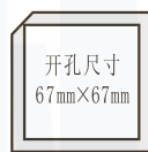
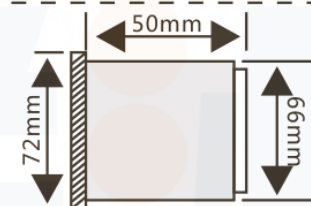
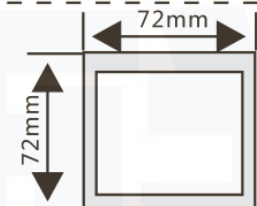
◆ 96mm×96mm



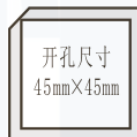
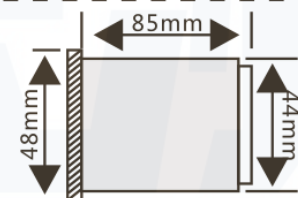
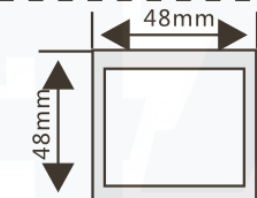
◆ 80mm×80mm



◆ 72mm×72mm

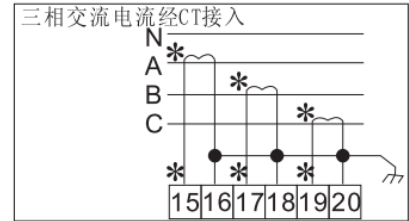
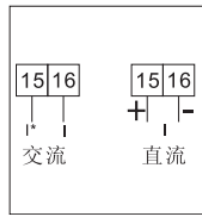
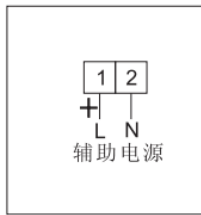


◆ 48mm×48mm

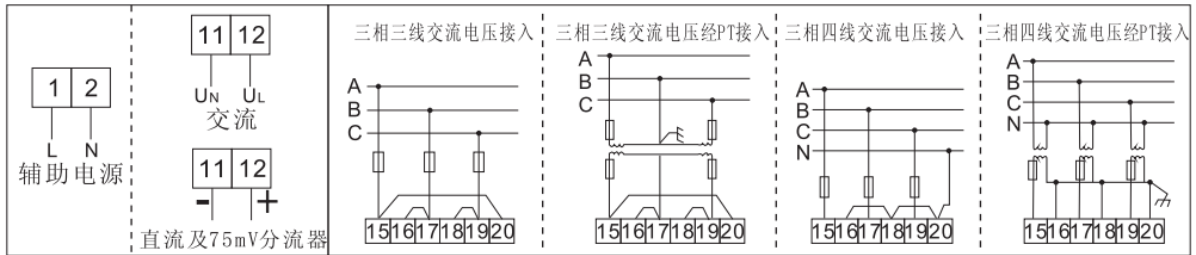


四、接线示意图

◆ 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 1-1: Setting menu flowchart. The diagram illustrates the navigation and settings for the device's menu system, organized into four levels (第一级, 第二级, 第三级, 第四级).

Level 1 (第一级): Menu (0000) → Code (9999).

Level 2 (第二级): Code (0001) → Set (0001).

Level 3 (第三级): Set (0001) branches into:

- dISP (0000): (电量显示方式: 0-10)
- bLEd (0001): (此项无意义)
- CLrE (0002): (按 电能清零)
- InPr (0001): (输入)
- UScL (100): (电压范围)
- IScL (1): (电流范围)
- F.U (0001): (电压倍率范围: 1-9999)
- F.I (0001): (电流倍率范围: 1-9999)
- Conn (0001): (通讯)
- Sn (0001): (仪表通讯地址范围: 1-247)
- bAUD (4800): (波特率)
- dAtA (n8.1): (协议格式)
- Pr.of (Uord): (协议格式)
- do-1 (0000): (开关量)
- Ro-1 (0000): (模拟量)
- SAVE (YES): (保存退出)

Level 4 (第四级): The settings for the items in Level 3 are as follows:

- dISP (0000): 0000, 0001, 0002
- bLEd (0001): 0001, 0002
- CLrE (0002): (按 电能清零)
- InPr (0001): n34, n33 (信号网络)
- UScL (100): 100, 400
- IScL (1): 1, 5
- F.U (0001): 0001, 0002
- F.I (0001): 0001, 0002
- Conn (0001): 0001, 0002
- Sn (0001): 0001, 0002
- bAUD (4800): 4800, 9600
- dAtA (n8.1): n8.1, 2.8.1, a8.1 (协议格式)
- Pr.of (Uord): Uord, byre (协议格式)
- do-1 (0000): 0000, 0129, 1100 (另三路类似)
- Ro-1 (0000): 0000, 0129, 1100 (另三路类似)
- SAVE (YES): YES

Note: 退出菜单设定, 出现SAVG YES时, 按 键为保存退出, 按 退出无效。

Level 5 (第五级): The settings for the items in Level 4 are as follows:

- dISP (0000): 0000, 0001, 0002
- bLEd (0001): 0001, 0002
- CLrE (0002): (按 电能清零)
- InPr (0001): n34, n33 (信号网络)
- UScL (100): 100, 400
- IScL (1): 1, 5
- F.U (0001): 0001, 0002
- F.I (0001): 0001, 0002
- Conn (0001): 0001, 0002
- Sn (0001): 0001, 0002
- bAUD (4800): 4800, 9600
- dAtA (n8.1): n8.1, 2.8.1, a8.1 (协议格式)
- Pr.of (Uord): Uord, byre (协议格式)
- do-1 (0000): 0000, 0129, 1100 (另三路类似)
- Ro-1 (0000): 0000, 0129, 1100 (另三路类似)
- SAVE (YES): YES

Level 6 (第六级): The settings for the items in Level 5 are as follows:

- dISP (0000): 0000, 0001, 0002
- bLEd (0001): 0001, 0002
- CLrE (0002): (按 电能清零)
- InPr (0001): n34, n33 (信号网络)
- UScL (100): 100, 400
- IScL (1): 1, 5
- F.U (0001): 0001, 0002
- F.I (0001): 0001, 0002
- Conn (0001): 0001, 0002
- Sn (0001): 0001, 0002
- bAUD (4800): 4800, 9600
- dAtA (n8.1): n8.1, 2.8.1, a8.1 (协议格式)
- Pr.of (Uord): Uord, byre (协议格式)
- do-1 (0000): 0000, 0129, 1100 (另三路类似)
- Ro-1 (0000): 0000, 0129, 1100 (另三路类似)
- SAVE (YES): YES

Level 7 (第七级): The settings for the items in Level 6 are as follows:

- dISP (0000): 0000, 0001, 0002
- bLEd (0001): 0001, 0002
- CLrE (0002): (按 电能清零)
- InPr (0001): n34, n33 (信号网络)
- UScL (100): 100, 400
- IScL (1): 1, 5
- F.U (0001): 0001, 0002
- F.I (0001): 0001, 0002
- Conn (0001): 0001, 0002
- Sn (0001): 0001, 0002
- bAUD (4800): 4800, 9600
- dAtA (n8.1): n8.1, 2.8.1, a8.1 (协议格式)
- Pr.of (Uord): Uord, byre (协议格式)
- do-1 (0000): 0000, 0129, 1100 (另三路类似)
- Ro-1 (0000): 0000, 0129, 1100 (另三路类似)
- SAVE (YES): YES

Level 8 (第八级): The settings for the items in Level 7 are as follows:

- dISP (0000): 0000, 0001, 0002
- bLEd (0001): 0001, 0002
- CLrE (0002): (按 电能清零)
- InPr (0001): n34, n33 (信号网络)
- UScL (100): 100, 400
- IScL (1): 1, 5
- F.U (0001): 0001, 0002
- F.I (0001): 0001, 0002
- Conn (0001): 0001, 0002
- Sn (0001): 0001, 0002
- bAUD (4800): 4800, 9600
- dAtA (n8.1): n8.1, 2.8.1, a8.1 (协议格式)
- Pr.of (Uord): Uord, byre (协议格式)
- do-1 (0000): 0000, 0129, 1100 (另三路类似)
- Ro-1 (0000): 0000, 0129, 1100 (另三路类似)
- SAVE (YES): YES

Level 9 (第九级): The settings for the items in Level 8 are as follows:

- dISP (0000): 0000, 0001, 0002
- bLEd (0001): 0001, 0002
- CLrE (0002): (按 电能清零)
- InPr (0001): n34, n33 (信号网络)
- UScL (100): 100, 400
- IScL (1): 1, 5
- F.U (0001): 0001, 0002
- F.I (0001): 0001, 0002
- Conn (0001): 0001, 0002
- Sn (0001): 0001, 0002
- bAUD (4800): 4800, 9600
- dAtA (n8.1): n8.1, 2.8.1, a8.1 (协议格式)
- Pr.of (Uord): Uord, byre (协议格式)
- do-1 (0000): 0000, 0129, 1100 (另三路类似)
- Ro-1 (0000): 0000, 0129, 1100 (另三路类似)
- SAVE (YES): YES

Level 10 (第十级): The settings for the items in Level 9 are as follows:

- dISP (0000): 0000, 0001, 0002
- bLEd (0001): 0001, 0002
- CLrE (0002): (按 电能清零)
- InPr (0001): n34, n33 (信号网络)
- UScL (100): 100, 400
- IScL (1): 1, 5
- F.U (0001): 0001, 0002
- F.I (0001): 0001, 0002
- Conn (0001): 0001, 0002
- Sn (0001): 0001, 0002
- bAUD (4800): 4800, 9600
- dAtA (n8.1): n8.1, 2.8.1, a8.1 (协议格式)
- Pr.of (Uord): Uord, byre (协议格式)
- do-1 (0000): 0000, 0129, 1100 (另三路类似)
- Ro-1 (0000): 0000, 0129, 1100 (另三路类似)
- SAVE (YES): YES

Level 11 (第十一级): The settings for the items in Level 10 are as follows:

- dISP (0000): 0000, 0001, 0002
- bLEd (0001): 0001, 0002
- CLrE (0002): (按 电能清零)
- InPr (0001): n34, n33 (信号网络)
- UScL (100): 100, 400
- IScL (1): 1, 5
- F.U (0001): 0001, 0002
- F.I (