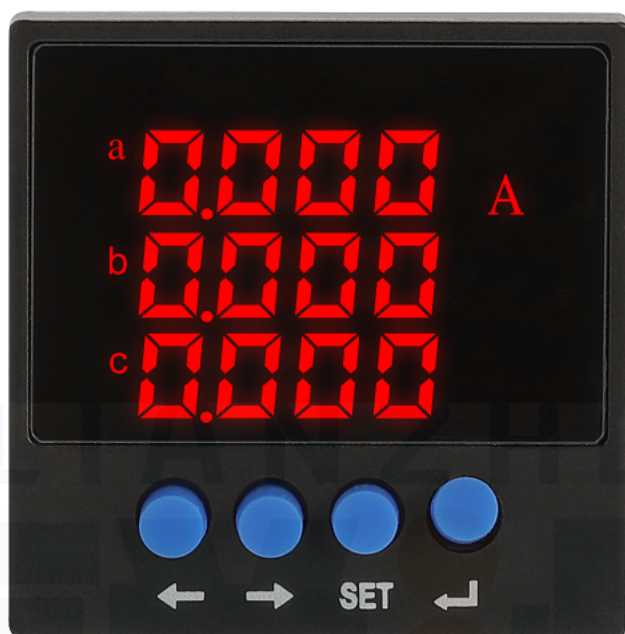


一、概述

PA91141-DX4三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

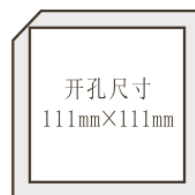
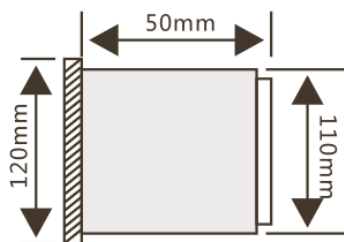
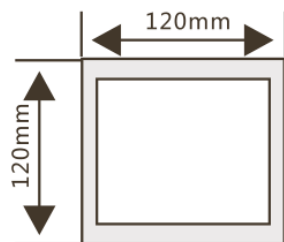
二、技术参数与选型

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

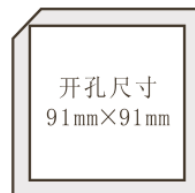
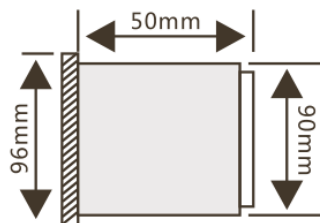
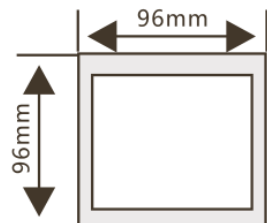
选型表

三、外形及安装尺寸

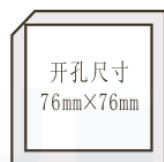
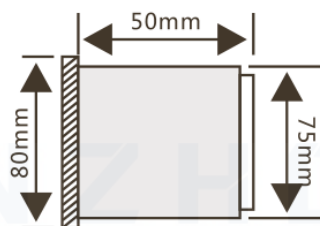
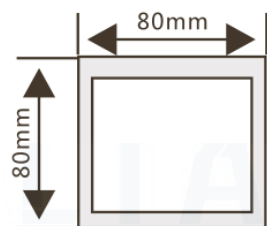
◆ 120mm×120mm



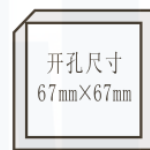
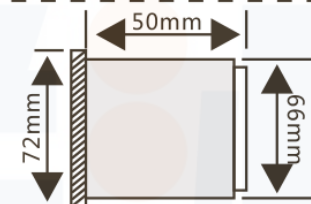
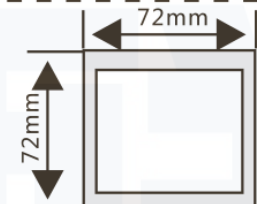
◆ 96mm×96mm



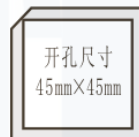
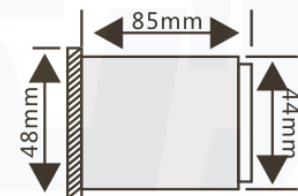
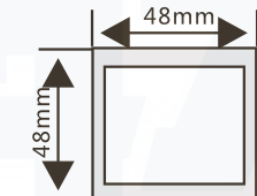
◆ 80mm×80mm



◆ 72mm×72mm

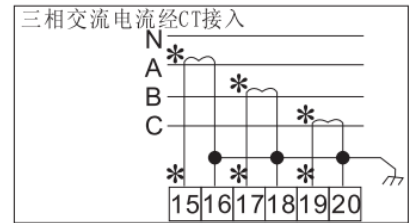
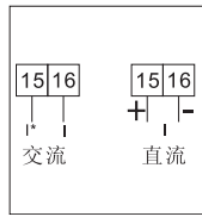
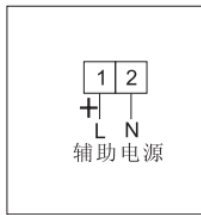


◆ 48mm×48mm

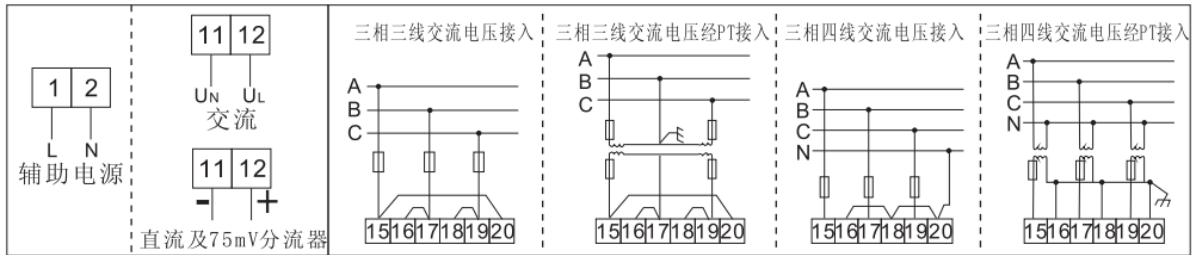


四、接线示意图

◆ 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: 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) → dISP (0000), bLEd (0001), CLrE (0002), InPr (0001), UScL (100), IScL (1), F.U (0001), F.I (0001), Conn (0001), bAUD (4800), dAtA (n8.1), Pr.of (Uord), do-1 (0000), Ro-1 (0000), SAVE (YES).

Level 4 (第四级): dISP (0000) → dISP (0000), bLEd (0001), CLrE (0002), InPr (0001), UScL (100), IScL (1), F.U (0001), F.I (0001), Conn (0001), bAUD (4800), dAtA (n8.1), Pr.of (Uord), do-1 (0000), Ro-1 (0000), SAVE (YES).

Notes:

- 电量显示方式: 0-10 (Electricity display mode: 0-10)
- 此项无意义 (This item is meaningless)
- (按 电能清零) (Press to clear electricity energy)
- (信号网络) (Signal network)
- (电压范围) (Voltage range)
- (电流范围) (Current range)
- (电压倍率范围: 1-9999) (Voltage multiplier range: 1-9999)
- (电流倍率范围: 1-9999) (Current multiplier range: 1-9999)
- (仪表通讯地址范围: 1-247) (Instrument communication address range: 1-247)
- (波特率) (Baud rate)
- (协议格式) (Protocol format)
- (协议格式) (Protocol format)
- (开关量) (Switching quantity)
- (模拟量) (Analog quantity)
- (另三路类似) (Similar to the other three channels)
- (另三路类似) (Similar to the other three channels)
- (密码) (Password)
- (密码范围0~9999) (Password range 0~9999)