

80A LYCB/3PN-DJ-H 智能三相电能表保护器
用户手册



主要功能:

1. 过压保护
2. 欠压保护
3. 过流保护
4. 欠流保护
5. 延时保护
6. 时控开关
7. 双向用电量监测
8. 电压不平衡保护(仅在APP端可设置)
9. 电流不平衡保护(仅在APP端可设置)
10. 缺相保护(仅在APP端可设置)
11. 相序保护(仅在APP端可设置)
12. 高温保护(仅在APP端可设置)
13. 漏电保护(需搭配内置或外置互感器使用)

每个参数可设置动作阈值和开/关。

1.显示模式



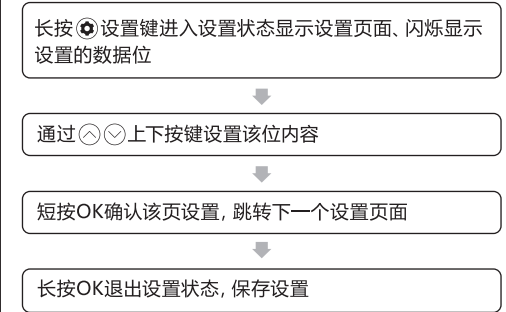
2.故障记录:

记录过压、欠压、过载、失流、漏电、电压不平衡、电流不平衡、相序保护。
注:涂鸦APP记录

3.WIFI指示灯状态:

1. 快闪表示等待发现WIFI信号。
2. 慢闪表示WIFI离线状态。
3. 长亮表示WIFI已连接。

4.功能设置:



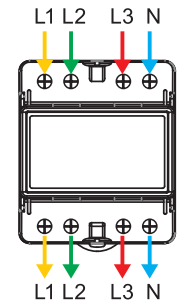
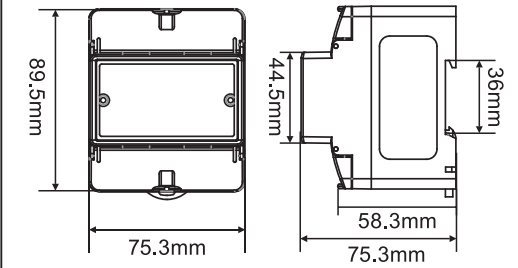
5.安装及使用条件:

- 1.温度:-30°C~70°C
- 2.湿度:≤85%
- 3.海拔高度:不超过2000m
- 4.污染等级:3级
- 5.外形模数化设计, 导轨式安装。
- 6.接线能力:35mm²及以下绝缘铜导线。

6.注意事项

- 1.本产品无隔离功能, 维修线路时请断开前级断路器开关
- 2.本产品零线(N线)直接接通, 无断开功能。
- 3.保护器必须按标志接线, 不得接错。
- 4.本产品虽有限流保护功能但不能代替断路器, 请在线路前端安装如DZ47、C65等断路器作短路保护。
- 5.在使用前请拧紧卡线螺钉, 防止接触不良而损坏产品。

7.安装接线及尺寸:

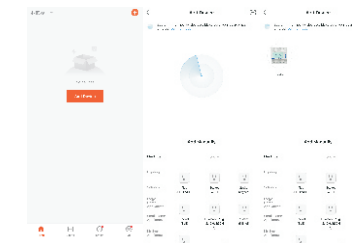


功能	设置参数范围	出厂默认设置	功能描述
过压参数设定	60-300V ON/OFF 0-255	270V ON 20S	设定过电压阈值270V 功能打开ON 重合闸恢复时间20S
欠压参数设定	60-300V ON/OFF 0-255	170V ON 20S	设定欠电压阈值170V 功能关闭OFF 重合闸恢复时间20S
过流参数设定	1-100A ON/OFF 0-255	80V OFF 20S	设定欠电流阈值80A 功能关闭OFF 重合闸恢复时间20S
欠流参数设定	1-60A ON/OFF 0-255	10A OFF 20S	设定欠电流阈值10A 功能打开ON 重合闸恢复时间20S
过温参数设定	10-100 ON/OFF 0-255	80A ON 20S	设定过温度阈值80°C 过温度功能打开ON 重合闸恢复时间20S
电压不平衡参数设定	1-100 ON/OFF 0-255	20% OFF 20%	设定电压不平衡率阈值20% 功能关闭OFF 重合闸恢复时间20S

功能	设置参数范围	出厂默认设置	功能描述
电流不平衡参数设定	1-100 ON/OFF 0-255	20% OFF 20%	设定不平衡率20% 功能关闭OFF 重合闸恢复时间20S
漏电流参数设定	0-100 ON/OFF 0-255	30mA OFF 0S	设定漏电流阈值30mA 功能关闭OFF 拉闸延时时间0S
缺相参数设定	0 ON/OFF 0-255	0 OFF 3	设定0000无效值 功能关闭OFF 拉闸延时时间3S
RS485通讯参数设定	1-255 9600 8n	1 9600 8n	设定ID.0001 9600波特率 8 Bit 1 stop
电量清零参数设定	n/y	n	电量清零 默认关闭
出厂恢复参数设定	n/y	n	出厂恢复 默认关闭

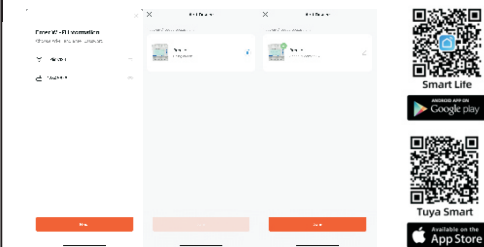
如何添加应用程序

- 1.使用智能手机扫描二维码, 或在 Google play 或 APP Store 搜索“智能生活”或“涂鸦智能”应用程序, 下载并安装。
- 2.用您的手机号码创建一个账户。
- 3.将手机连接到 Wi-Fi 路由器。点击主页右上角的“+”或点击“添加设备”, 然后从“能量”中选择断路器“开关模块 (Wi-Fi)”, 长按 WiFi 按钮 5 秒, WiFi 指示灯开始快速闪烁后, 打开应用程序进行配对。



项目参数

额定电压: AC380V	工作电压范围: AC80V-290 (单相)
额定频率: 50/60Hz	额定电流: 1-80A
功率显示范围: 0-99999.9千瓦/小时	工作温度: -30°C至70°C
保护跳闸反应时间:<0.5 秒	
设置范围:	
过压 (>U): 60-300V	欠压 (<U): 80-210V
限流和漏电保护	
保护时间: 1-30次/关	漏电: 10-99mA/OFF
复位/启动延迟: 0-255秒	



80A LYCB/3PN-DJ-H
Smart Three-Phase Energy Meter Protector
User Manual



Main Functions:

1. Over Voltage Protection
2. Under Voltage Protection
3. Over Current Protection
4. Under Current Protection
5. Delay Protection
6. Timer Switch
7. Bidirectional Energy Monitor
8. Voltage Imbalance Protection(Can only be set on App)
9. Current Imbalance Protection(Can only be set on App)
10. Shortage Phase Protection(Can only be set on App)
11. Phase Sequence Protection(Can only be set on App)
12. High Temperature Protection(Can only be set on App)
13. Current Leakage Protection(This function must be used with out or built-in current transformer)

Each parameter can be set with action threshold and On/Off.

1. Display mode



2. Fault Records:

Record over & under voltage, over & under current, current leakage, voltage imbalance, current imbalance, and phase sequence protection.Note:Tuya app records.

3. WiFi Indicator Light Status:

1. Fast flashing indicates searching for WiFi signal
2. Slow flashing indicates WiFi offline status
3. Long light indicates that WiFi is connected

4. Fault Settings:

Long press key to enter the settings states and show the settings

Change the settings by prese keys

Short press OK key to confirm the settings on this page and jump to the next settings page

Long press OK key to exit the settings states and save the settings

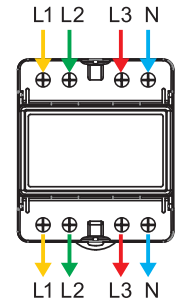
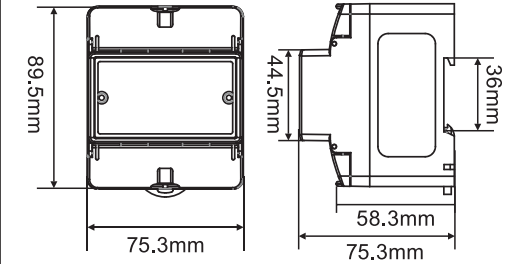
5. Installation and Usage Conditions:

1. Working Temperature:-30°C-70°C
2. Working Humidity:≤85%
3. Working Altitude:Not Exceeding 2000m
4. Pollution Level:Level 3
5. Modular design appearance and din rail installation
6. Wiring Capacity:Insulated copper wire uner 35mm²

6. Notes:

1. This product has no isolation function. Please turn off the power before repairing.
2. The zero line (Neutral N line) of this product is directly connected without any disconnection function.
3. The device must be wired according to the markings and must be installed correctly.
4. Although this device has protection function, but it cannot replace normal circuit breaker, so please install circuit breaker before this device as always.
5. Please tighten the clamp screws hard to avoid the device being damaged caught by poor contact.

7. Installation Wiring & Dimensions:

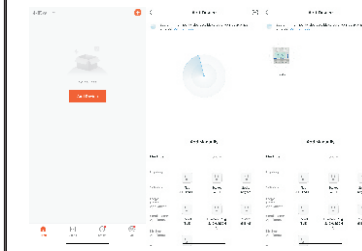


Function	Set Parameter Range	Factory Default Settings	Function Description
Overvoltage parameter setting	60-300V ON/OFF 0-255	270V ON 20S	 Set overvoltage threshold 270V Function turned on Recloser recovery time 20 seconds
Undervoltage parameter setting	60-300V ON/OFF 0-255	170V ON 20S	 Set the undervoltage threshold to 170V Function off, OFF Reclosing recovery time of 20 seconds
Overcurrent parameter setting	1-100A ON/OFF 0-255	80V OFF 20S	 Set the undercurrent threshold of 80A Function off OFF Recloser recovery time 20 seconds
Undercurrent parameter setting	1-60A ON/OFF 0-255	10A OFF 20S	 Set undercurrent threshold of 10A Function turned on Recloser recovery time 20 seconds
Over temperature parameter setting	10-100 ON/OFF 0-255	80A ON 20S	 Set the over temperature threshold to 80 °C and turn on the over temperature function Recloser recovery time 20 seconds
Voltage imbalance parameter setting	1-100 ON/OFF 0-255	20% OFF 20%	 Set the voltage imbalance threshold to 20% Function off OFF Recloser recovery time 20 seconds

Function	Set Parameter Range	Factory Default Settings	Function Description
Current imbalance parameter setting	1-100 ON/OFF 0-255	20% OFF 20%	 Set an imbalance rate of 20% Function off OFF Recloser recovery time 20 seconds
Leakage current parameter setting	0-100 ON/OFF 0-255	30mA OFF 0S	 Set leakage current threshold of 30mA Function off OFF Brake delay time 0S
Phase loss parameter setting	0 ON/OFF 0-255	0 OFF 3	 Setting an invalid value of 0000 Function off OFF Brake delay time of 3S
RS485 communication parameter setting	1-255 9600 8n	1 9600 8n	 Set ID. 0001 9600 baud rate 8 Bit 1stop
Battery reset parameter setting	n/y	n	 Battery reset to zero Disabled by default
Factory reset parameter settings	n/y	n	 Factory recovery Disabled by default

HOW TO ADD DEVICE TO APP

1. Use your smart phone to scan QR codes, or search "Smart Life" or "Tuya Smart" app in Google play or APP Store to download and instal.
2. Create an account with your mobile number.
3. Connect you mobile to your Wi-Fi router. Click "+" inthe upper right conner of homepage or click "Adddevice" then select breaker "Switch module (Wi-Fi)" from "Energy", long press WiFi button for 5 seconds, after the WiFi indicators starts to flash quickly, open app to pair.



PROOUCT PARAMETERS

Rated Supply Voltage:AC380V
Rated Frequency:50/60Hz
Power Display Range:0-99999.9kwh
Protection Trip Action Time:<0.5s

Operation Voltage Range:AC80V-290(Single Phase)
Rated Current:1-80A
Operating Temperature:-30°C to 70°C

Setting Range:
Over Voltage(>U):60-300V
Under Voltage(<U):80-210V

Over Current & Leakae Protection
Current Leakage:10-99mA/OFF
Protect Times:0-255 times/off

Reset / Start Delay:0s-9999s

