

UM12432
RHF2SG03 使用说明

V1.0

Document Information

Info	Context
Keyword	RHF2SG03 智能网关控制器
Abstract	本文简要描述 RHF2SG03 的使用方式

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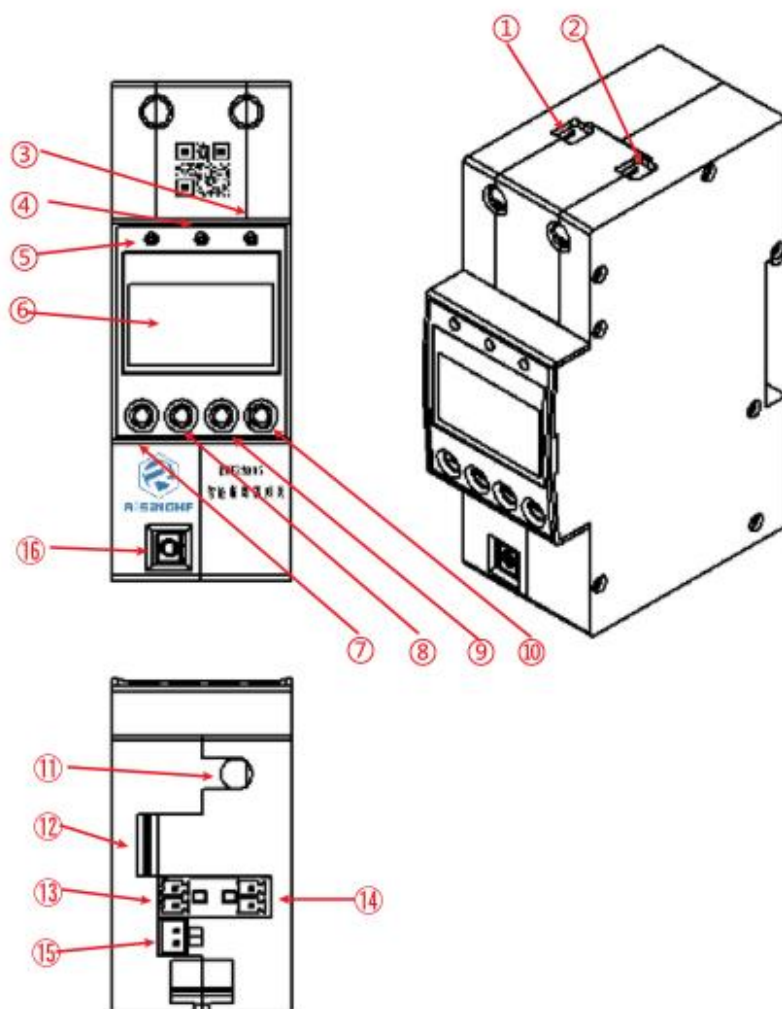
1 产品简介

RHF2SG03 智能断路器网关主要是连接和控制 RS485 断路器的无线网关，面向工业或消费场所现场断路器，进行用电信息采集和设备控制, 通过 RS485 接口连接，采用 Cat1 网络接入系统管理平台。

主要的功能用是电信息采集（包括用电电能，有功功率，无功功率，功率因数，电压，电流，漏电流），同时也能进行控制断路器的合闸、分闸，控制方式有远程命令控制，本地规则控制和根据环境联动控制，联动控制时通过预留的外设接口连接外设。

RHF2SG03 RS485 智能断路器网关需要接入系统管理平台实现设备管理、数据管理、远程控制和远程固件升级等功能。

2 外观介绍

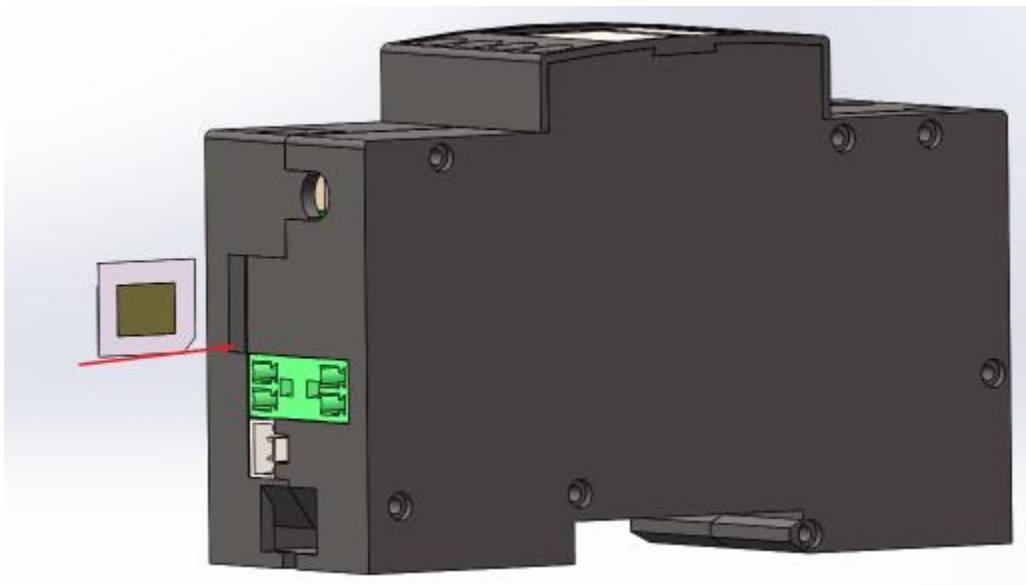


- ① 火线进线
- ② 零线进线
- ③ 485 通信指示灯
- ④ 网络指示灯
- ⑤ 供电指示灯
- ⑥ LCD 显示屏
- ⑦ home 按键
- ⑧ 切换按键
- ⑨ 往上翻页按键
- ⑩ 往下翻页按键
- ⑪ CAT1 天线接口

- ⑫SIM 卡卡槽
- ⑬485 串口 1
- ⑭485 串口 2（预留）
- ⑮NTC 温度传感器接口
- ⑯接地端子

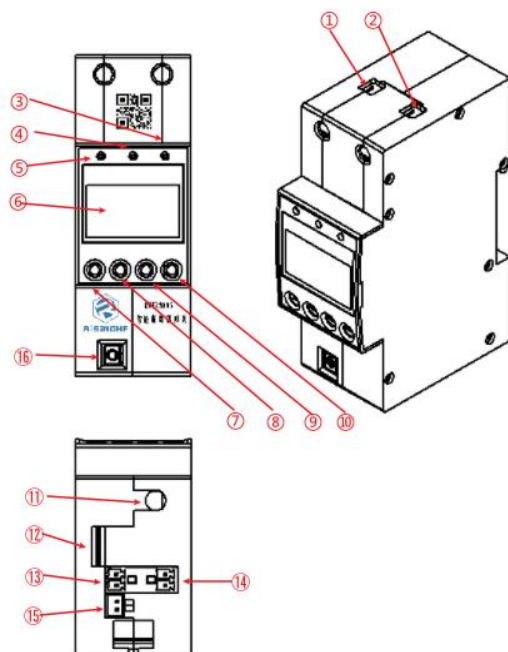
3 安装说明

3.1 SIM 卡安装



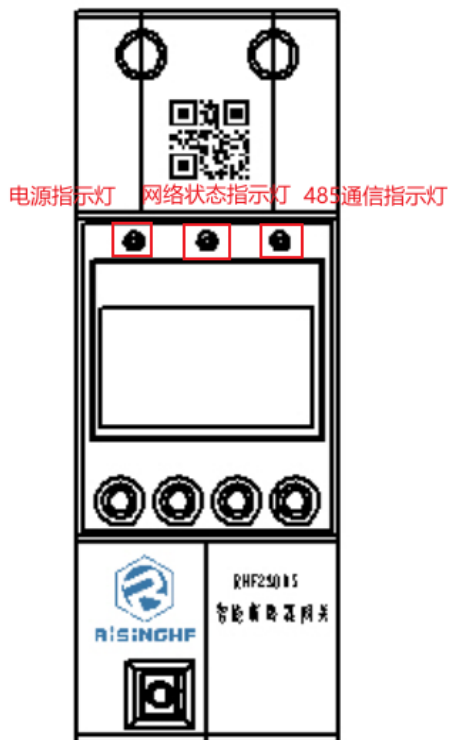
如图所示，按照图中的 SIM 卡方向将卡插入网关即可。

3.2 供电及 485 接口安装



在上图中的①号位置接入火线、②号位置接入零线，给网关供电。在⑬号接口接入与被控断路器的 485 接口（上方为 B、下方为 A）。

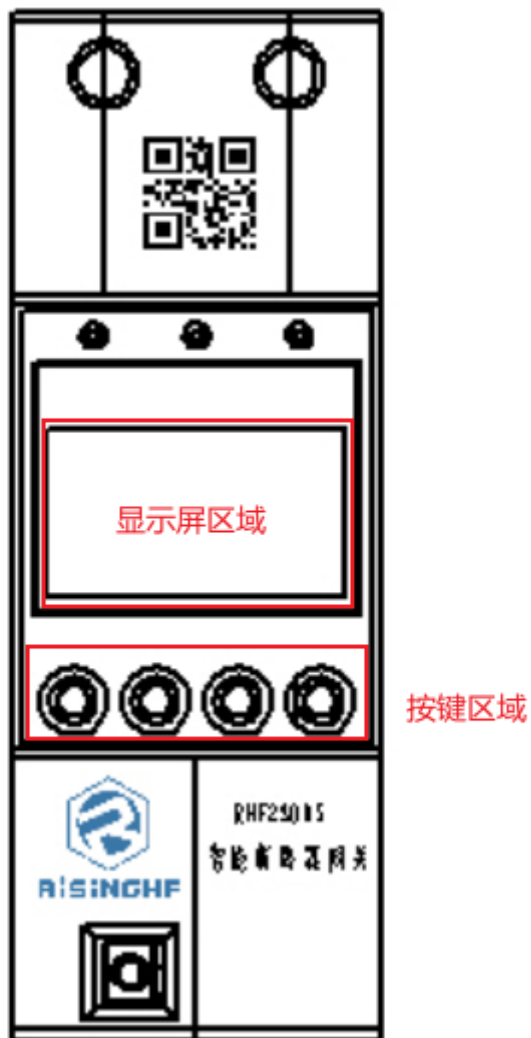
4 指示灯说明



如上图的红框中的三个指示灯：

- 左边的指示灯为电源指示灯，当网关接入的零线和火线可以正常供能时，此灯常亮，否则熄灭。
- 中间的指示灯为网络状态指示灯，当 CAT1 的网络正常且成功连接到 MQTT 服务器时，此灯常亮；当网络正常，但是连接 MQTT 服务器失败时，此灯闪烁；当网络异常时，此灯熄灭。
- 右边的指示灯为 485 通信指示灯，当网关与断路器成功通信时，每通信一次，此灯闪烁一次；当通信不成功时，此灯熄灭。

5 显示屏和按键功能说明



- 按键介绍

从左往右按键的功能分别为：返回 home 页面、切换当前显示的断路器、往上翻页、往下翻页。

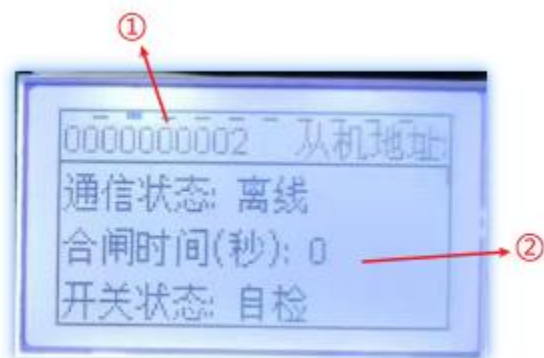
● 界面介绍

Home 界面介绍:



- ①: 网关的 ID 号, 此 ID 号唯一
- ②: 网关当前的信号质量, 3 格时, 信号最好; 0 格时无信号
- ③: 网关的相关信息, 包含产品型号、版本号、网址等

断路器数据界面介绍:



- ①: 当前断路器的从机地址, 可以使用切换按钮切换不同的断路器
- ②: 当前断路器的相关参数, 可以使用上下翻页按钮查看全部参数

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