YFL-MA 系列电气火灾监控设备
Series electric fire monitoring equipment

概 述 General

YFL-MA 电气火灾监控设备是 YFL 漏电火灾报警系统的小型系统主机，属于系统核心设备。YFL-MA 电气火灾监控设备采用 ARM 微电子数字处理技术，设有双 CAN 通信接口，可以监控管理不超过 256 个监控探测器，并且可以作为区域监控设备，针对大型建筑系统，和一台或多台 YFL 电气火灾监控设备组成大型网络运行。

YFL-MA 电气火灾监控设备通常放置在有人值守的消防控制室中，能监控管理各现场探测器所监控的配电回路，并实时显示各监控点工作参数和工作状态。在配电回路发生故障时能在 60 秒以内发出声光报警信号，并指示故障点位置，存储并打印告警信息。

YFL-MA electric fire monitoring equipment is a miniature system main frame of YFL leakage current fire alarm system, is a core equipment of the system. YFL-MA electric fire monitoring equipment adopts ARM micro-electronic processing technology, has dual-CAN communication interface, it is able to monitor and control as many as 256 detectors, it also can be used as local supervision equipment, aiming at large-scale building system, constitute large-scale network with one or more YFL electric fire monitoring equipments.

YFL-MA electric fire monitoring equipment is usually set in manned fire-fighting control room, it is able to monitor and control all distribution circuits controlled by the detectors in different sites, and real-timely display the working parameters and working states of each monitory point. It is able to send out sound and light alarm signal within 60s once the distribution circuit has faults, and indicate the fault position, store and print the alarm information.

产品特点 Product features

1、数字处理技术,实时监控并显示各配电回路工作状态;
2、现声 CAN 总线技术,实时、准确传送各探测器运行参数和控制指令;
3、多级分布式智能控制系统,配电回路区域保护;
4、过电流预警、报警; 剩余电流预警报警; 高危电流切断;
5、数据智能分析、智能参数设定;
6、备用电源系统,可支持系统工作 4 小时以上;
7、系统自检、网络询检功能;
8、声光报警、远程脱扣功能;
9、最多可监控管理 256 个节点;
10、报警记录存储、查询、打印功能;
11、故障记录存储、查询、打印功能;
12、告警信息存储大于 5 万条;
13、智能扩展接口;
14、远程维护功能。

1. Digital processing technology, monitors and displays the working states of distribution circuits real-timely;
2. On-site CAN bus technology, which transmits the running parameters and control commands of detectors real-timely and accurately;
3. Multi-stage distribution type intelligent control system, protection of distribution circuit area;
4. Over-current early-warning and warning; residual current early-warning and warning; high-risk current cutting;
5. Intelligent data analysis, intelligent parameter setting;
6. Standby power supply system, which is able to support the system for more than 4 hours;
7. Functions of system self-inspection and network inspection;
8. Functions of sound and light alarm and remote tripping;
9. It is able to monitor and control as many as 256 nodes;
10. Functions of alarm record storing, search and print;
11. Functions of fault record storing, search and print;
12. It is able to store more than 50,000 pieces of alarm information;
13. Intelligent extension interface;
14. Remote maintenance function.

设备参数 Parameters

工作电压 Working voltage	AC220±10%.50Hz 5.7"	通信距离 Communication distance	≤ 10km
显示屏 Display screen	单色液晶显示屏 5.7inch black and white LCD	环境温度 Ambient temp.	-20℃ ~60℃
报警方式 Warning mode	声光报警, 报警声音≥ 70dB Sound and light alarm, alarm audio sound ≥ 70dB	相对湿度 Relative humidity	≤ 90%RH(40℃ ±2℃)
存储记录 Stored record	≥ 5 万条 ≥ 50,000 pieces	海拔高度 Altitude	≤ 4500 米 m
打印机 Printer	微型针打或热敏 Miniature stylus printer or thermal printer	设备尺寸 Equipment dim.	宽 W600mm × 厚 D600mm × 高 H1800mm
备用电源 Standby power supply	4 小时不间断 UPS 供电 4h UPS power supply	安装方式 Installation method	壁挂式、琴台式 (尺寸定制) Wall mounted type, musical instrument table type (dimension customization)
总线介质 Bus medium	ZR-RVS-2 × 2.5 双级线 Twisted-pair wire	执行标准 Executive standard	GB14287.1-2005