

Overview

纲要

SmartGen pump control system can resist the influence of machinery, electric, vibration, thermal stress and damp environment.

SmartGen水泵控制系统可以承受机械、电气、振动、热应力以及在正常运行情况下可能遭受的潮湿影响。

SmartGen control system can start the pump unit in 5 seconds automatically. Supervision alarming and managing of fault are also realized in the system. SmartGen控制系统能在5秒内自动启动泵组并对泵组运行过程中的故障进行监测、报警和处理。

SmartGen pump control system is universal, functional, and reliable. It can work with different kinds of diesel pump unit.

SmartGen水泵控制系统通用性强，功能齐全、性能可靠；可与各类柴油机水泵组配合。

Application

应用方案

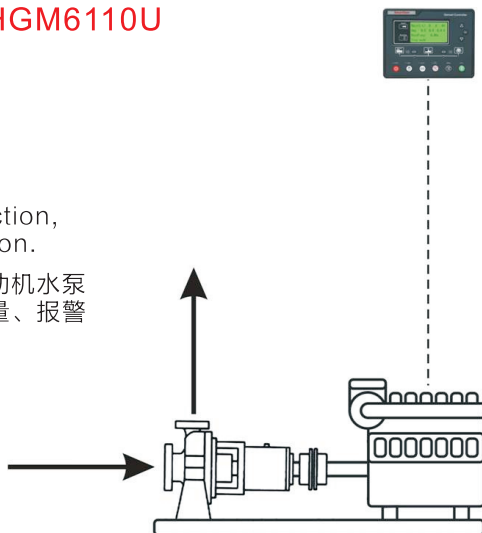
Simple Pump Unit Solution

简易型水泵机组解决方案

HGM1770、HGM410、HGM6110U

Control pump unit to realize automatic start/stop, data measurement, alarm protection, and “three remote” function.

控制发动机水泵机组，实现发动机水泵机组的自动开机停机、数据测量、报警保护及“三遥”功能

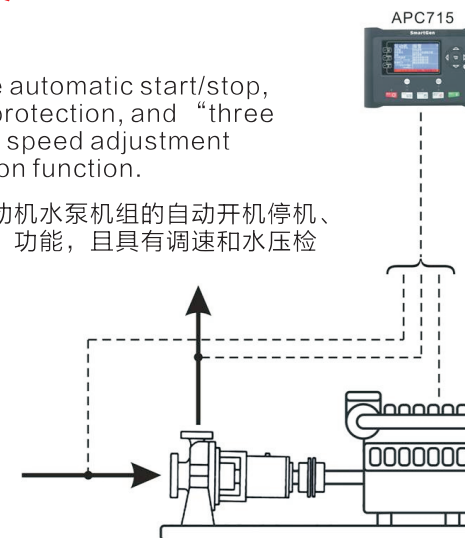


Practical Pump Unit---APC715

实用型水泵机组解决方案---APC715

Control pump unit to realize automatic start/stop, data measurement, alarm protection, and “three remote” function, and with speed adjustment and water pressure detection function.

控制发动机水泵机组，实现发动机水泵机组的自动开机停机、数据测量、报警保护及“三遥”功能，且具有调速和水压检测功能

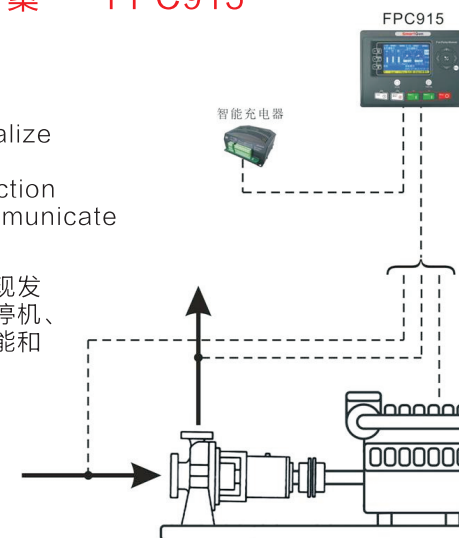


Fire Pump Unit Solution---FPC915

消防型水泵机组解决方案---FPC915

Control fire pump unit to realize automatic start/stop, data measurement, alarm protection function, and also can communicate with intelligent charger.

控制发动机消防水泵机组，实现发动机消防水泵机组的自动开机停机、数据测量、报警保护功能，还能和智能充电器通信



Characteristic---Practical Pump Unit Control

产品特点---实用型水泵机组控制

APC715



Characteristics:

1. Pump unit control and protection
2. USB programming interface
3. RS485 communication interface
4. CAN BUS communication interface
5. GOV speed adjustment function
6. Engine speed and gearbox speed detection
7. Automatic/manual speed adjustment function
8. Custom combination output
9. Idle control function
10. Total run A/B
11. Heater, cooler and fuel pump control function
12. Maintenance function
13. Force start function
14. 9 digital inputs/10 relay outputs/10 analog inputs

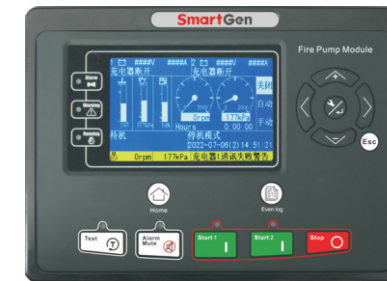
特点:

1. 水泵机组控制与保护
2. USB编程接口
3. 具有RS485通讯接口
4. 具有CAN BUS接口
5. 具有GOV调速功能
6. 既检测发动机转速，也可检测变速箱转速
7. 具有自动和手动调速功能
8. 自定义组合输出
9. 具备怠速控制功能
10. 具有累计运行A、B
11. 具有加热器、冷却器、燃油泵控制功能
12. 具有维护功能
13. 具有强制启动功能
14. 9个开关量输入/10个继电器输出/10个模拟量输入

Characteristic---Fire Control Pump Unit

产品特点---消防型水泵机组控制

FPC915



Characteristics:

1. Control and protection for fire pump unit
2. Monitoring charger by RS485 communication interface
3. CAN BUS interface
4. 2 enable outputs
5. Real-time clock & event log
6. Scheduled start/stop
7. Total run A/B
8. Heater, cooler and fuel pump control function
9. Maintenance function
10. 18 digital inputs
11. 9 relay outputs
12. 7 analog inputs

特点:

1. 消防水泵机组控制与保护
2. 具有RS485通讯接口, 可监控充电器
3. 具有CAN BUS接口
4. 两路启动输出
5. 历史记录 & 实时时钟
6. 定时开关机
7. 具有累计运行A、B
8. 具有加热器、冷却器、燃油泵控制功能
9. 具有维护功能
10. 18个开关量输入
11. 9个继电器输出
12. 7个模拟量输入

Characteristic— Simple Pump Unit Control

产品特点——简易型水泵机组控制

HGM1770



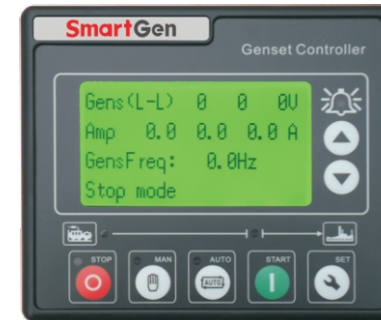
Characteristics:

- 1.Engine control and protection
- 2.Remote start
- 3.Alarm and shutdown protection
- 4.4 digital inputs
- 5.5 relay outputs
- 6.Display: engine temperature/oil pressure/speed/total run time/battery voltage/fuel level

特点:

- 1.发动机控制与保护
- 2.远程启动
- 3.报警与停机保护
- 4.4个开关量输入
- 5.5个继电器输出
- 6.显示: 发动机温度/机油压力/转速/累计运行时间/电池电压/燃油位

HGM410



Characteristics:

- 1.Control and protection for engine and generator
- 2.Automatic starting module
- 3.Chinese, English, Spanish and Russian display
- 4.4 digital inputs, 6 relay outputs and 4 analog inputs (2 public inputs)

特点:

- 1.发动机和发电机控制与保护
- 2.自动启动模块
- 3.中文、英文、西班牙文和俄文多语言显示选择
- 4.4个开关量输入, 6个继电器输出和4个模拟量输入 (其中2个与输入口公用)

HGM6110U



Characteristics:

- 1.Control and protection for engine and generator
- 2.Automatic starting module
- 3.5 digital inputs, 6 relay outputs and 3 analog inputs
- 4.Remote monitoring via Modbus RS485 (Only HGM6110U and HGM6120UC have this function)

特点:

- 1.发动机和发电机控制与保护
- 2.自动启动模块
- 3.5个开关量输入/6个继电器输出/3个模拟量输入
- 4.通过Modbus RS485实现远程监控 (仅HGM6110UC和HGM6120UC有此功能)