

YONJOU
— 永球质泵 技无止境 —
Since 1989



产品描述

FPCF20 柴油消防泵控制器专门设计起来被用作双电源启动来控制消防泵。出厂之前永球泵业集团会提前设置好所有的参数。

发动机控制柜满足新版版本NFPA20的设计要求。

标准功能

- 系统错误警报/指示器
- 交流电源正常指示灯
- 直流电源正常指示灯
- 火警型号指示
- 双电池正常指示器 / 无空开接触器
- 自动模式指示灯
- 加热指示器
- DC直流电源开关
- 手动模式速度控制开关

PRODUCT DESCRIPTION

The FPCF20 diesel fire pump controller is complete designed to double batteries and diesel engine. All settings are being made in YONJOU PUMP GROUP as Ready for use.

Engine controller meets the requirements of the latest edition of NFPA20.

STANDARD FEATURES

- System error alarm / indicator.
- AC power healthy indicator.
- DC power healthy indicator.
- Fire signal indicator
- Double batteries healthy indicator / free contact.
- Auto mode indicator.
- Heating indicator.
- DC power on / off switch
- Manual mode speed high / low control switch

标准功能

- 自动 / 手动 / 停机模式切换开关
- 加热控制开关
- 紧急停止蘑菇按钮
- 发动机智能保护
- 管网压力自动启动 / 停止控制
- 远程信号启动 / 停止控制
- 雨淋阀自动启动
- 消防信号自动启动
- 定时自动启动和停机巡检
- 报警复位和报警静音
- 发动机运行状态远程输出
- 双电池通过电池电压感应进行浮充
- 智能电池切换和备用电池切换系统
- 显示发动机运行时间
- 管网压力历史记录

STANDARD FEATURES

- Auto / Manual / Shutoff mode switch
- Heating control on / off switch
- Emergency stop mushroom button
- Engine smart protection
- Pipeline pressure auto start / stop control
- Remote signal start / stop control
- Deluge valve auto start
- Auto regular start and stop inspection
- Fire signal auto start
- Alarm reset and alarm mute
- Engine run state remote output
- Double batteries float charge by battery voltage sensing
- Smart batteries switching and alternate batteries switching system
- Showing engine running hours
- Pipeline pressure history record

智能面板手动启动

- 手动按钮从每个独立的电池组启动发动机。

SMART PANEL MANUAL START

- Manual push button to start the engine from each independent batteries.

自动启动系统

- 管道压力控制：泵在低压设置点启动，在高压设置点停机
- DCS远程启动（闭合启动）
- 雨淋阀自动启动（断开启动，只允许急停按钮停机）
- 定时周期自动巡检（设置日，月，年在永球智能控制屏内，控制柜会在周期内自动启动停止）
- 消防信号输入启动（只允许急停按钮停机）
- 在自动模式下测试开始。方便手动检查发动机系统。按下面板上的测试按钮，测试电磁阀打开。发动机开始运行并保持运行10秒以检查发动机和泵的性能并自动停止。

AUTO START SYSTEM

- Pipeline pressure control: Pump start on the lower pressure setting and stop on the high pressure setting.
- Remote start from DCS (close to start)
- Deluge valve auto start (open to start, can only stop by emergency button)
- Auto regular start and stop inspection (Set day, month, year in YONJOU smart panel and the engine would auto start and stop in a certain period).
- Fire alarm signal input auto start (can only stop by emergency button)
- Test start in auto mode. It is convenient to manual check the engine system. Press the test button in the panel, the test solenoid valve open. Engine starts to run and keep run for 10 seconds to check engine and pump performance and auto stop.

紧急启动

- 紧急启动按钮从每个独立的电池组启动发动机。紧急启动将避免发动机智能控制系统。

EMERGENCY START

- Emergency push button to start the engine from independent batteries. The emergency start would avoid the engine smart control system

电池组功能系统 (BMS)

- 管道压力控制：泵在低压设置点启动，在高压设置点停机
- DCS远程启动（闭合启动）
- 雨淋阀自动启动（断开启动，只允许急停按钮停机）
- 定时周期自动巡检（设置日，月，年在永球智能控制屏内，控制柜会在周期内自动启动停止）
- 消防信号输入启动（只允许急停按钮停机）
- 在自动模式下测试开始。方便手动检查发动机系统。按下面板上的测试按钮，测试电磁阀打开。发动机开始运行并保持运行10秒以检查发动机和泵的性能并自动停止。

BATTERY MANAGEMENT SYSTEM (BMS)

Two independently functional battery charges, each having its own power float charger rated for a maximum continuous charge current of 6 amperes. The main smart panel read the chargers though RS485. Charging is performed according to the battery charging characteristics using three-stage method. It great increases the batteries life time.

- Advanced three-stage method: constant current, absorption charge and float charge
- Current limiting in every charging mode
- Over-current shut-off
- Lower than 0.5 ampere trickle charge
- Reverse voltage shut-off
- Over and under voltage alarm
- Charger initiated battery failure alarm with signaling to prevent the use of the defective battery during the engine starting cycle.
- Charging current indicator