

APC1700

柴驱水泵机组控制器

ENGINE PUMP CONTROLLER



简介

用于柴油发动机驱动的水泵机组，实现水泵机组的开停机、数据测量、维护保养、报警保护及“三遥”功能。广泛应用于柴驱水泵机组控制系统。

特点

- 液晶显示分辨率为 132×64，带背光，中文、英文可选
- 主页显示内容支持自定义
- 5路模拟量传感器，3路电阻型(可设置为开关量输入)，1路电流型，1路可编程传感器(电阻型/电流型/电压型)
- 维护功能(10)，维护时间到后可报警提醒，历史记录(99)
- 远程开/停机，可外接开关控制水泵机组开/停机
- 自动模式下可根据设定的管网压力自动开/停机
- 出水压力高自动回怠速功能
- 转速可通过磁传感器和W/L两种方式获取
- 加热器、冷却器、燃油泵的自动控制
- RS485通讯接口，利用MODBUS协议可以实现“三遥”功能

Overview

The Engine Pump Controller is used for diesel engine-driven water pump units to realize water pump start/stop, data measurement, maintenance, alarm protection and “Three Remotes” (remote control, remote measurement, and remote communication). It can be widely applied to diesel engine-driven water pump unit control system.

Features

- LCD screen with 132×64 resolution and backlight. Optional Chinese and English languages
- Display content in Home Page can be self-defined
- 5 ways of analog sensors, including 3 resistance type sensors (can be configured as digital input), 1 current type sensor and 1 auxiliary sensor (resistance/current/voltage type)
- Maintenance function (10), alarm will be issued for maintenance time due. Event logs (99)
- Remote start/stop function, which supports the pump unit start/stop control via external switch
- Auto start/stop function can be realized based on the preset pipe pressure under auto mode
- High outlet pressure return to idle speed function
- Speed can be collected by magnetic pickup sensor or W/L
- Heater, cooler and fuel pump control functions
- With RS485 communication port, “Three Remotes” function can be realized via MODBUS protocol



电源 Power	工作电压: DC(8~35)V	Operating Voltage: DC(8-35)V
	整机功耗: <3W(待机方式: ≤2W)	Power Consumption: <3W (Standby mode: ≤2W)

转速传感器 Speed Sensor	电压: (1.0~24)V (有效值)	Voltage: (1.0~24)V (RMS)
	频率: 最大10000Hz	Frequency: Max. 10,000Hz

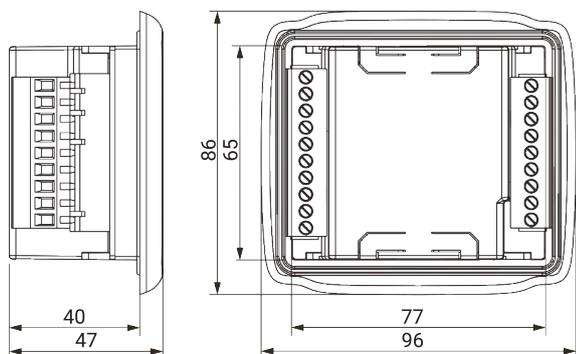
环境 Environment	工作温度: (-25~+70)°C	Working Temperature: (-25~+70)°C
	工作湿度: (20~93)% RH	Working Humidity: (20~93)% RH
	贮存温度: (-30~+80)°C	Storage Temperature: (-30~+80)°C
	防护等级: IP65	IP Rating: IP65

结构 Structure	外形尺寸: 96 × 86 × 47mm	Overall Dimensions: 96 × 86 × 47mm
	开孔尺寸: 78 × 66mm	Panel Cutout: 78 × 66mm

标准 Standards	振动: (5~8)Hz: 位移±7.5mm (8~500)Hz: 加速度2g IEC 60068-2-6	Vibration: (5~8)Hz: amplitude=±7.5mm (8~100)Hz: a=2g (IEC 60068-2-6)
	碰撞: 20g _n , 16ms, 半正弦 IEC 60255-21-2	Bump: 20g _n , 16ms, half-sine (IEC 60255-21-2)
	冲击: 50g _n , 11ms, 半正弦 IEC 60068-2-27	Shock: 50g _n , 11ms, half-sine (IEC 60068-2-27)

● 尺寸 Dimensions

单位(Unit): mm



● 端口 Ports

可编程输入(2) Aux. Input (2)		可编程输出(4) Aux. Output (4)
可编程传感器(5) Aux. Sensor (5)		起动输出 Crank Output
转速采样 Speed Sample		急停输入 E-Stop Input
RS485		直流工作电源 DC Power