

## APC715N

## 柴驱泵组控制器

DIESEL ENGINE PUMP CONTROLLER



## ● 简介

可实现柴驱泵组的开机、停机、转速调节、数据测量、报警保护及“四遥”等功能。具有继电器调速接口、GOV调速接口和CANBUS(SAE J1939)接口，广泛应用于排涝泵、消防泵、高压泵、液压泵、泥浆泵、柱塞泵等泵组控制系统。

## ● 特点

- 4.3英寸液晶显示，中文、英文及其它多种语言可选
- 10路模拟量传感器，3路固定电阻型，2路固定电流型，5路可灵活配置成电阻型、电流型、电压型
- 多种调速接口：继电器调速、GOV模拟量调速、CAN调速、油门调速
- 2个转速检测端口，可检测发动机转速与变速箱转速
- 可扩展开关量输入输出、模拟量输入
- 实时时钟、历史记录(200)，并可记录ECU报警的SPN码
- 5条自定义维护设置
- PLC编程，适合复杂系统应用
- ECU信息显示
- 主界面自定义显示
- 加热器、冷却器、燃油泵控制
- DPF再生状态显示及手动再生控制，适用非道路四阶段发动机

## Overview

It realize the start/stop, speed regulation, data measurement, alarm protection and "Four Remote" function of diesel engine pump. The controller has relay, GOV for speed regulation and CANBUS (SAE J1939) interfaces. It can be widely used in a number of pump control systems (land reclamation pump, fire pump, high-pressure pump, hydraulic pump, mud pump, plunger pump, etc)

## Features

- 4.3-inch LCD screen. Optional Chinese, English and other languages
- Ten analog sensor: 3 fixed resistance types and 2 fixed current types, another 5 sensors can be flexibly configured as resistance type, current type and voltage type
- Multiple speed regulation interfaces: relay, GOV analog, CAN and throttle
- Two speed detection interfaces to measure engine speed and gearbox speed
- Compatible with expansion digital input/output modules and analog input modules
- Real-time clock, and event log (200), which can record SPN code of ECU alarms
- Five self-defined maintenance settings
- PLC programming function can be applied to complex system
- ECU information display
- Self-defined display of main page information
- Control function for heater, cooler and fuel pump
- DPF regeneration state display and manual regeneration control function, which are suitable for non-road Stage IV engines



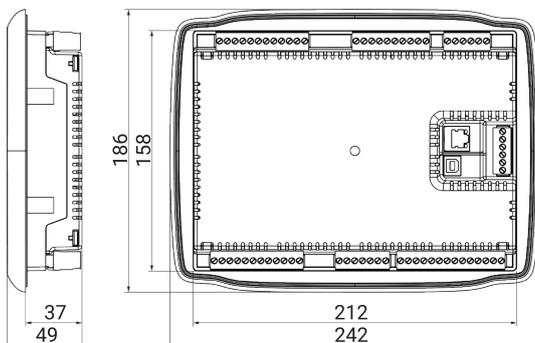
## ● 技术参数 Technical Parameters

电源 Power	工作电压: DC(8~35)V	Operating Voltage: DC(8~35)V
	整机功耗: <6W(待机方式: ≤2W)	Power Consumption: <6W (Standby mode: ≤2W)
结构 Structure	外形尺寸: 242 × 186 × 49mm	Overall Dimensions: 242 × 186 × 49mm
	开孔尺寸: 214 × 160mm	Panel Cutout: 214 × 160mm
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
	安规要求: 根据EN 61010-1安装类别 III, 300V, 污染等级2, 海拔3000米	Safety Requirements: Refer to EN61010-1 Category III, 300V, Pollution Degree 2, altitude at 3000m
标准和认证 Standards & Certificates	CE认证	CE Certification
	振动: (5~8)Hz: 位移±17mm (8~100)Hz: 加速度4g (100~500)Hz: 加速度2g IEC 60068-2-6	Vibration: (5~8)Hz: amplitude=±17mm (8~100)Hz: a=4g (100~500)Hz: a=2g (IEC 60068-2-6)
	碰撞: 25g <sub>n</sub> , 16ms, 半正弦 IEC 60255-21-2	Bump: 25g <sub>n</sub> , 16ms, half-sine (IEC 60255-21-2)
	冲击: 50g <sub>n</sub> , 11ms, 半正弦 IEC 60068-2-27	Shock: 50g <sub>n</sub> , 11ms, half-sine (IEC 60068-2-27)

## ● 尺寸 Dimensions

单位(Unit): mm

## ● 端口 Ports



直流工作电源 DC Power Input	紧急停机输入 EM-Stop Input	继电器输出口(12) 固定(2)+可编程(10) Relay Output Fixed (2) + Aux. (10)	充电机D+ Charger D+	可编程输入口(9) Aux. Input (9)
变速箱转速 传感器输入 Gearbox Speed Sensor Input	发动机转速 传感器输入 Engine Speed Sensor Input	GOV	CAN	可编程传感器(10) Aux. Sensor (10)
				DC5V输出 DC5V Output