HMC4300
船用柴油发动机控制器

MARINE DIESEL ENGINE CONTROLLER

● 简介

用于单台发动机自动化控制系统， 实现机旁和遥控开停机， 通过 CAN 通信实现发动机监测及报警保护。同时可接入 CMM366 监测模块，实现远程监控和 GPS 定位功能。

Overview

The Marine Diesel Engine Controller is used for automatic control system of single engine, which can realize engine local/remote start/stop. It can monitor the real-time status of engine and provide alarm protection via CAN port. It also can realize remote monitoring and GPS positioning through the CMM366 monitoring module.

● 特点

- 4.3 英寸彩色液晶显示屏，背光可调
- 机旁模式、遥控模式
- 越控功能
- 可接入安保转速和安保油压传感器。安保油压可选择电阻型、电压型或者电流型传感器
- 两种自检模式
- 报警记录和起停机事件记录功能
- 可同时显示最多 10 个 SPN 报警内容
- 支持 10 个 SPN 报警的屏蔽功能
- USB(Type-C)接口连接
- CAN BUS 接口，支持几十种电控发动机的监控
- RS485 接口支持 MODBUS RTU 通信协议

Features

- 4.3-inch color LCD display with adjustable backlight brightness
- With local mode and remote mode
- Override mode
- RPU speed and oil pressure sensors can be connected. RPU oil pressure sensors can select resistance/voltage/current type sensor
- Two self-check modes
- Functions of alarm log and start/stop event log
- It can simultaneously display max. 10 SPN alarm contents
- It supports shielding function for up to 10 SPN alarms
- With USB (Type-C) port for connection
- With CANBUS port, it supports the monitoring of dozens
- With RS485 port, it supports MODBUS RTU protocol

直流供电 DC Power	DC(8~35)V，直流反接保护 功耗：<4W（待机：≤2W）	DC(8~35)V，DC reverse connection protection Power Consumption：<4W (Standby mode：≤2W)
温湿度 Temperature & Humidity	工作温度：(-25~+70)°C 工作湿度：相对湿度：(20~93)%RH 贮存温度：(-30~+80)°C	Working Temperature: (-25~+70)°C Working Humidity: (20~93)%RH Storage Temperature: (-30~+80)°C
防护等级 IP Rating	防护等级：IP65	IP Rating：IP65
标准和认证 Standards & Certificates	CE认证 振动：(5~8)Hz: ±17mm, (8~100)Hz: 4g, (100~500)Hz: 2g IEC 60068-2-6 碰撞：$20g_n$，16ms，半正弦 IEC 60255-21-2 冲击：$50g_n$，11 ms，半正弦 IEC 60068-2-27	CE Certification Vibration：(5~8)Hz: ±17mm, (8~100)Hz: 4g, (100~500)Hz: 2g (IEC 60068-2-6) Bump：$20g_n$，16ms, half-sine (IEC 60255-21-2) Shock：$50g_n$，11ms, half-sine (IEC 60068-2-27)

● 尺寸 Dimensions   单位(Unit)：mm   ● 端口 Ports

控制接口
Controller Ports

RS485

USB

1 可编程传感器1 Aux. Sensor1	2 可编程传感器2 Aux. Sensor2	3 MP1	4 MP2	5 D+	6	7 CAN H	8 CAN L
	9 可编程传感器3 Aux. Sensor3	10 VOUT(+5V)	11 可编程输入口4 Aux. Input4	12 可编程传感器4 Aux. Sensor4	13 GND	14	15
16 可编程输入口1 Aux. Input1	17 可编程输入口2 Aux. Input2	18 可编程输入口3 Aux. Input3	19 可编程输出口1 Aux. Output1	20 可编程输出口2 Aux. Output2	21 可编程输出口3 Aux. Output3	22 B+	23 B-

CE