

HGM1791/1791CAN

单机自启动发电机组控制器

AUTO START GENSET CONTROLLER FOR SINGLE UNIT



简介

一款体积小功能全面的发电机组控制器，适用于单机自启动，HGM1791 支持普通机组具有转速采样接口，HGM1791CAN 支持电喷机组具有 CAN BUS 接口。

特点

- 128 × 64LCD液晶显示，带背光，中文、英文两种语言可选
- 供电电源范围宽DC (8~35)V，能适应不同的起动电池电压环境
- 采集并显示发电单相电压、电流、频率、功率、负载百分比参数
- 精密采集发动机的各种参量
- 机组故障保护及显示功能
- 3种工作模式：手动、自动、停机
- 多种温度、压力、油位传感器可直接使用，并可自定义参数
- 多种起动成功条件可选择

Overview

This is a compact and comprehensive genset controller, which is suitable for auto start of single unit. HGM1791 supports standart gensets with speed sampling port, and HGM1791-CAN supports ECU gensets with CAN BUS port.

Features

- 128x64 LCD screen with backlight, optional Chinese and English languages
- With wide power supply range of DC8~35V, it can be compatible with different voltages of starting batteries
- Collect and display parameters of single phase voltage, current, frequency, power and load percentage of genset
- Precise measurement of parameters from engine
- Genset fault protection and display functions
- Three working modes: manual, auto, and stop
- Compatible with multiple temperature, pressure, fuel level sensors, and parameters can be user-defined
- Multiple crank disconnection conditions to select

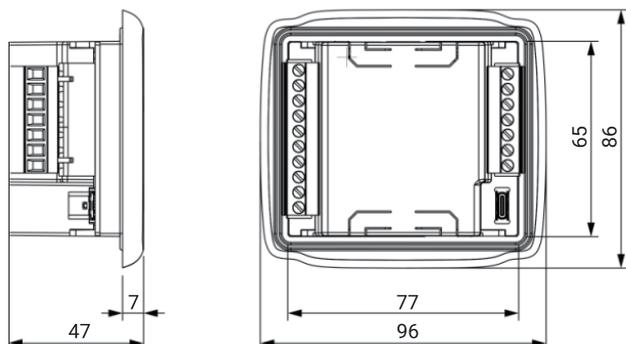


● 技术参数 Technical Parameters

直流供电 DC Power	DC(8~35)V连续供电 <1.8W(待机: ≤0.8W)	DC(8~35)V continuous power supply <1.8W(Standby mode: ≤0.8W)
频率 Frequency	(50~60)Hz	(50~60)Hz
电压和电流 Voltage & Current	AC(15~360)V (ph-N) 额定: 5A	AC(15~360)V (ph-N) Rated: 5A
转速传感器 Speed Sensor	电压: (1~24)V (有效值) 频率: 最大10000Hz	Voltage: (1~24)V (RMS) Frequency: Max. 10000Hz
绝缘强度 Dielectric Strength	在交流高压端子与低压端子之间施加AC2.2kV电压, 1min内漏电流不大于3mA	Apply voltage of 2.2kVAC between AC high voltage terminal and low voltage terminal, and the leakage current is not more than 3mA in 1 minute
尺寸 Dimensions	外形尺寸: 96 × 86 × 47mm 开孔尺寸: 78 × 66mm	Overall Dimensions: 96 × 86 × 47mm Panel Cutout: 78 × 66mm
环境 Environment	工作温度: (-25~+70)°C 工作湿度: (20~93)%RH 贮存温度: (-30~+80)°C 防护等级: IP65: 当控制器和控制屏之间加装防水橡胶圈时	Working Temperature: (-25~+70)°C Working Humidity: (20~93)%RH Storage Temperature: (-30~+80)°C IP Rating: IP65: when waterproof rubber gasket is installed between controller screen and enclosure

● 尺寸 Dimensions

单位(Unit): mm



● 端口 Ports

转速(HGM1791)/ CAN BUS (HGM1791CAN) Speed(HGM1791)/ CAN BUS (HGM1791CAN)		发电电压采样 Gen. Volt. Sampling
开关量/模拟量输入(3, 复用) Digital/Analog Input (3 Multiplex)		电流采样 Current Sampling
开关量输出(5) Digital Output (5)		
直流工作电源及急停 DC Power & E-Stop		USB (Type C)