

ALC736/ALC736-4G 混合能源灯塔控制器

HYBRID ENERGY LIGHTING TOWER CONTROLLER



简介

用于单台直流或交流机组的自动化控制，可实现6种模式的开关灯功能，支持四种能源的四种不同的组合模式适用于不同应用场景，集成了发电机组控制，灯塔的升降、云台及亮度控制。同时ALC736-4G内置网络通信模块，可通过云服务器或SMS短信功能实现远程监控。

特点

- 四种系统配置可选，适用于不同的应用场景
- 灯故障检测功能
- 电池组SOC或燃油位低减少开灯亮度/数量
- 启动电池或电池组SOC低开机充电功能，三种运行模式可设置
- ALC736-4G可通过4G无线网络实现远程监控和GPS定位功能
- 灯塔桅杆和云台可通过控制器进行控制
- 灯亮度调节功能，不同时段灯亮度可设置
- 多种开/关灯模式可选
- 交、直流发电机组应用
- PLC自定义逻辑功能
- 最多控制6个照明灯可设置灯打开的时间间隔

Overview

The Series Hybrid Energy Lighting Tower Controller is used for the automation control of single DC or AC genset. It has six modes to switch on/off the lights, and supports four types of energy by four different combination modes for various applications. The controller integrates functions of genset control, tower mast up/down, tower head up/down and brightness adjustment. In addition, the model of ALC736-4G integrates built-in network communication module to realize remote monitoring function through the cloud server or SMS.

Features

- Four optional system configurations for different applications
- Light fault detection function
- Reduce the number or luminance of working lights when the battery pack SOC or fuel level is low
- Charging function when starting battery or battery pack SOC is low, which has three operation modes to set
- ALC736-4G can realize remote monitoring and GPS positioning through the 4G wireless network
- The mast and head of lighting tower can be controlled by the controller
- Adjustable light luminance for different periods in one day
- Multiple light on/off modes to select
- Applied for AC or DC generator sets
- Custom PLC logic function
- Control up to 6 lights, and configure the time interval of light to be worked

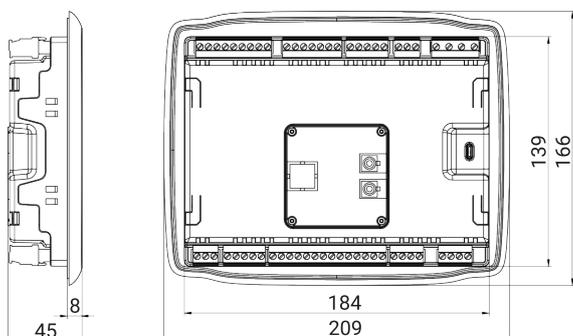


● 技术参数 Technical Parameters

直流供电 DC Power	DC(8~35)V 功耗:<8.5W(待机: ≤1W)	DC(8~35)V Power Consumption:<8.5W(Standby: ≤1W)
直流电压 DC Voltage	DC(0~75)V	DC(0~75)V
直流电流输入 DC Current Input	霍尔传感器的二次侧电流(4~20)mA	Current of Hall sensor secondary side (4~20) mA
交流电压 AC Voltage	相电压	Phase Voltage
	范围: AC(15~360)V(ph-N)	Range: AC(15~360)V(ph-N)
	分辨率: 0.1V	Resolution: 0.1V
	精度: 1%	Accuracy: 1%
	线电压	Line Voltage
	范围: AC(30~620)V(ph-ph)	Range: AC(30~620)V(ph-ph)
交流电压 AC Voltage	分辨率: 0.1V	Resolution: 0.1V
	精度: 1%	Accuracy: 1%
交流电流 AC Current	额定: 5A	Rated: 5A
温湿度 Temperature & Humidity	工作温度: (-40~+70)°C	Working Temperature: (-40~+70)°C
	工作湿度: 相对湿度(20~93)%RH	Working Humidity: (20~93)%RH
	贮存温度: (-40~+80)°C	Storage Temperature: (-40~+80)°C
防护等级 IP Rating	前壳IP65	Front panel IP65
	后壳IP20	Back panel IP20
标准和认证 Standards & Certificates	CE认证	CE Certification
	振动: (5~8)Hz: ±17mm, (8~100)Hz: 4, (100~500)Hz: 2g IEC 60068-2-6	Vibration: (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	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

电源和急停 Power & E-Stop	开关量输出(13) Digital Output (13)	D+	转速 Speed	CAN	交流电压采样 AC Voltage Sampling	
SGE02 (ALC736-4G)				USB (Type-C)		
RS485	模拟量输入(4) Analog Input (4)	开关量输入(10) Digital Input (10)	模拟量输出 DC(0~10)V Analog Output	直流发电 电流采样 DC Gen. Current Sampling	直流发电 电压采样 DC Gen. Voltage Sampling	交流发电 电流采样 AC Gen. Current Sampling