SmartGen众智

MAKING CONTROL SMARTER

股票代码 Stock Code 301361

PRODUCT CATALOGUE

产品选型样册

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MAKING CONTROL SMARTER 2026

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ENGINE CONTROLLER / 工程机械控制器



HEM4000
Engine Controller
发动机控制器



HEM4100
Engine Controller
发动机控制器



HEM4300
Engine Controller
工程机械控制器

Model/型号	HEM4000	HEM4100	HEM4300
Main Functions 主要功能	It can be widely used in a number of engine control system not with J1939 interface, which including water pump, air compressor, engineering machinery and so on. 应用于水泵、空压机和工程机械类等非电喷发动机控制系统。	It can be widely used in a number of engine control system with/not with J1939 interface, which including water pump,air compressor, engineering machinery and so on. 应用于水泵、空压机和工程机械类等电喷或非电喷发动机控制系统。	It is applicable for the automation system of various construction machinery as drilling car, tunnel tractor, hydraulic pump station, mining machinery and so on.It can control ECU engine start/stop, monitoring, speed control, maintenance reminder and others. It has a high protection level. 可用于钻车、隧道牵引车、液压泵站、矿山机械等各类工程机械的自动化系统；具有控制电喷发动机的起停、监测、调速，保养提醒等功能；防护等级高。
Display/显示器	LCD(132*64)		4.3-inch Color LCD(480*272) 4.3英寸彩屏
Operation Panel 操作面板	Silicon Rubber/硅胶		
Language 控制器语言	Chinese＆English/中文＆英文		Chinese＆English&Other 中文&英文&其他
Digital Input 开关量输入口	6		8
Relay Output 继电器输出口	7		8-way transistor active output 8路晶体管有源输出
Analogue Input 模拟量输入口	6		
Speed Adjustment Function 调速功能	●		
RTC＆Event Log 实时时钟及历史记录	●		
Scheduled Start/Stop 定时开关机	●		
Maintenance 保养功能	●		
Monitor Port/监控接口	RS485		
Programming Port/ 编程接口	USB/RS485		
CANBUS(J1939)		●	
DC Supply 直流工作电源范围	DC(8~35)V		
Case Dimensions 外形尺寸(mm)	135*110*46(L*W*H)		189*131*61(L*W*H)
Panel Cutout 安装尺寸(mm)	116*90		177*119
Operating Temp. 工作温度	(-25~+70)℃		(-30~+70)℃



HED400
Engine Monitoring Module
发动机监控模块



HED300
Engine CAN Monitoring Module
发动机CAN监控模块



HED200
Engine Monitoring Module
发动机监控模块

Model/型号	HED400	HED300	HED200
Main Functions 主要功能	The controller is used to realize functions of speed regulation, data measurement, and alarm display for engine. It is widely applied to various types of engine automatic system. 实现发动机的转速控制、数据测量、报警显示等功能，广泛应用于各类型发动机自动化系统。	It can be used for single engine monitoring and suitable for ECU of different manufacturers with CANBUS (SAE J1939) port. All engine operation parameters can be visually displayed on the screen, it supports non-road China IV engine. 用于单台发动机监控，带有CANBUS(SAE J1939)接口，可适用于各厂家电喷机。发动机工作参量均能在屏幕上直观显示，支持非道路四阶段发动机。	The module can be used for monitoring of single engine. With the RS485 interface, various parameters can be flexibly set on it. It mainly suits for non-road Stage II engines. Its protection level is IP66, and it can work normally at low temperature of -40°C. 用于单台发动机监控，带有RS485接口，可灵活设置各项参数。主要用于非道路二阶段发动机。防护等级IP66,在低温-40℃可正常工作。
Display/显示器	4.3-inch Color LCD(480*272) 4.3英寸彩屏	LCD(132*64)	
Operation Panel 操作面板	Silicon Rubber/硅胶	Touch Key/触摸按键	
Language 控制器语言	Chinese & English/中文 & 英文		
Digital Input 开关量输入口	3		
Relay Output 继电器输出口	3		1
Analog Input 模拟量输入口	6	2	4
Speed Adjustment Function 调速功能	●		
RTC & Event Log 实时时钟及历史记录	Only Event Log but no RTC 有历史记录无实时时钟	●	
Maintenance 保养功能	●		
DPF Regenerate DPF再生	●		
ECU Current Fault Analysis 解析ECU现行故障	●		
Monitor Port/监控接口	RS485		
Programming Port/ 编程接口	RS485/USB	RS485	
CANBUS(J1939)	●		
DC Supply 直流工作电源范围	DC(8~35)V		
Case Dimensions 外形尺寸(mm)	127*115*55.9(L*W*H)	116*98*49(L*W*H)	
Panel Cutout 安装尺寸(mm)	115*103	Φ52*50	
Operating Temp. 工作温度	(-40~+70)°C		
IP/防护等级	IP65	IP66	

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ENGINE CONTROLLER / 工程机械控制器



HFC6100LT
Fan Controller
风机控制器



HEM8500
Engine CAN Monitoring Controller
发动机CAN监控仪

Model/型号	HFC6100LT	HEM8500
Main Functions 主要功能	Used for automatic control of 5 groups of fans, and can control its start/stop and PWM output function according to the selected temperature sensor. It has the function of balancing the running time of fan LCD display can work in the temperature range (-40℃~+70℃). 用于5组风机自动化控制,可根据选择的温度传感器控制风机起停和PWM输出功能。具有均衡风机运行时间功能 大屏幕液晶(LCD)可以工作在(-40℃~+70℃)温度范围。	It can be used to monitor the engine of engineering vehicles, can display various engine parameters, alarm information, event log, etc. The controller has high integration and powerful CAN gateway functions. 可用于工程车辆发动机的监控，可显示发动机各项参数、报警信息和历史记录等，控制器集成度高、CAN网关功能强。
Display/显示器	LCD(132*64)	4.3-inch LCD/4.3英寸LCD
Operation Panel 操作面板	Silicon Rubber/硅胶	
Language 控制器语言	Chinese＆English/中文＆英文	Chinese,English,Traditional Chinese 中文、英文、繁体中文
Digital Input 开关量输入口	18	11
Relay Output 继电器输出口		7
Analog Input 模拟量输入口	5	
Analog Output 模拟量输出口		1
Speed Adjustment Function 调速功能	●	
RTC＆Event Log 实时时钟及历史记录		●
Transistor Output Port 晶体管输出口	12	
Maintenance 保养功能		●
Monitor Port/监控接口	RS485	
Programming Port/ 编程接口	USB/RS485	RS485
CANBUS(J1939)		●
PWM Output PWM输出	4	
DC Supply 直流工作电源范围	DC(8~35)V	DC(10~35)V
Case Dimensions 外形尺寸(mm)	209*167*45(L*W*H)	247*191*71(L*W*H)
Panel Cutout 安装尺寸(mm)	186*141	214*160
Operating Temp. 工作温度	(-40~+70)℃	(-25~+70)℃



FPC2000M/D
Diesel Air Fire Pump Controller
柴驱消防泵控制器



FPC1000M/D/T
Electric Fire Pump Controller
电动消防泵控制器

Model/型号	FPC2000M	FPC2000D	FPC1000M	FPC1000D	FPC1000T
Main Functions 主要功能	The controller is used for fire pump unit, which can monitor real-time data, including system pressure, battery voltage and current. And the data can be exported via USB Host interface to analyze and diagnose the system status. 用于消防水泵机组，实时监测系统压力、电池电压、电流等数据，并可通过USB主机接口导出，用于分析和诊断系统状况。		The controller is used to start or control the fire pumps driven by motors. It realizes precise measurement, fixed value adjustment, timing, and threshold setting functions for multiple parameters. And it is widely applied to various types of electric fire pump system. 用于启动或控制消防电动机驱动的消防泵，实现了多种参数的精密测量、定值调节以及定时、阈值整定等功能，广泛应用于各类型电动消防泵系统。		
Display/显示器		7-inch Color LCD/7英寸彩屏		7-inch Color LCD/7英寸彩屏	
Operation Panel 操作面板	Silicon Rubber/硅胶				
Language 控制器语言	Chinese & English/中文 & 英文				
Digital Input 开关量输入口	15	2	9	2	8
Relay Output 继电器输出口	8	3	13	3	7
Analog Input 模拟量输入口	5	2	4	2	
RTC & Event Log 实时时钟及历史记录		●		●	
Scheduled Start 定时开机	●				
Monitor Port/监控接口	RS485			RS485	
Programming Port/ 编程接口	RS485	RS485/USB DEVICE ETHERNET/USB HOST		RS485/USB DEVICE ETHERNET/USB HOST	
CANBUS	●				
DC Supply 直流工作电源范围	DC(8~35)V				AC(24~36)V/DC(24~36)V
Case Dimensions 外形尺寸(mm)	400*125.6*73.7(L*W*H)	209*189*59(L*W*H)	327*126*74(L*W*H)	209*189*59(L*W*H)	327*126*64(L*W*H)
Panel Cutout 安装尺寸(mm)	35mm steel DIN rail 35mm钢制导轨	188.5*165.5	35mm steel DIN rail 35mm钢制导轨	188.5*165.5	35mm steel DIN rail 35mm钢制导轨
Operating Temp. 工作温度	(-25~+55)℃ (模组架不支持高温) (The module mounting part can't withstand high temperature)	(-25~+70)℃	(-25~+55)℃ (模组架不支持高温) (The module mounting part can't withstand high temperature)	(-25~+70)℃	(-25~+55)℃ (模组架不支持高温) (The module mounting part can't withstand high temperature)
IP/防护等级		Front panel: IP65, Back panel: IP20 前壳：IP65　后壳：IP20		Front panel: IP65, Back panel: IP20 前壳：IP65　后壳：IP20	

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ENGINE CONTROLLER / 工程机械控制器



FPC1700
Jockey Pump Controller
消防稳压泵控制器



FPC915
Fire Pump Controller
消防水泵机组控制器



FPC615
Fire Pump Controller
消防水泵机组控制器

Model/型号	FPC1700	FPC915	FPC615
Main Functions 主要功能	The controller can control the pump to start/stop according to the pipe pressure, and stabilize the pipe pressure in the setting range. And it can realize grid voltage detection and protection, and automatic control of jockey pump. It is suitable for the control of single pump or cyclic control of dual pumps. 可根据管网压力开/停机，将管网压力稳定在设定范围内，实现电网检测保护、消防稳压泵的自动化控制。可用于单泵控制、双泵循环控制。	Suitable for diesel engine driven fire pump unit, with 4.3-inch color LCD and dual starting logic control, battery charging status monitoring, remote communication and other functions. 适用于柴油发动机驱动的消防水泵机组，采用4.3吋彩色液晶显示屏，具有双起动逻辑控制、蓄电池充电状态监测、远程通讯等功能。	Applicable for the fire pump unit control. With manual/auto mode switching function, which can monitor the voltage condition of two groups of battery and collect the sensor signal of unit, digital switching signal to monitor the operation of the unit. With the fault alarm function. 适用于控制消防水泵机组。具有手自动模式切换功能，可以监控两组电池的电压状况同时采集机组传感器信号、数字开关量信号来监测机组的运行情况，具有故障报警功能。
Display/显示器	LCD(128*64)	4.3-inch TFT-LCD (480*272) 4.3英寸液晶显示器	LCD(132*64)
Operation Panel 操作面板	Silicon Rubber/硅胶		
Language 控制器语言	Chinese & English & Others/中文 & 英文 & 其他		
Digital Input 开关量输入口	2	18	3
Relay Output 继电器输出口	2	12	8
Analog Input 模拟量输入口	1	7	3
RTC & Event Log 实时时钟及历史记录		●	
Scheduled Start/Stop 定时开关机		●	
Monitor Port/监控接口	LINK	RS485	LINK
Programming Port/编程接口	LINK	USB/RS485	LINK
CANBUS		●	
DC Supply 直流工作电源范围	DC(8～35)V		
Case Dimensions 外形尺寸(mm)	95*86*46.5(L*W*H)	237*172*45(L*W*H)	197*152*47(L*W*H)
Panel Cutout 安装尺寸(mm)	78*66	214*160	186*141
Operating Temp. 工作温度	(-25~+70)℃		
IP/防护等级	IP65	IP55	IP65



APC715N
Diesel Pump Controller
柴驱泵组控制器



APC615
Pump Unit Controller
水泵机组控制器

Model/型号	APC715N	APC615
Main Functions 主要功能	Applicable for high-pressure water pump unit, mud pump unit and drainage pump unit driven by ECU, with double speed, double battery sampling, starting power switch and manual/auto speed regulation functions. 适用于电喷发动机驱动的高压水泵机组、泥浆泵组、排涝泵组等，具有双转速、双电池采样，起动电源切换、手自动调速等功能。	Suitable for diesel engine driven pump unit, the speed regulation can be achieved by relay output and CANBUS. 适用于柴油发动机驱动的水泵机组，可通过继电器输出、CAN总线实现调速功能。
Display/显示器	4.3-inch TFT-LCD (240*128) 4.3英寸液晶显示器	LCD(132*64)
Operation Panel 操作面板	Silicon Rubber/硅胶	
Language 控制器语言	Chinese & English & Others/中文 & 英文 & 其他	
Digital Input 开关量输入口	9	6
Relay Output 继电器输出口	12	8
Analog Input 模拟量输入口	10	6
RTC & Event Log 实时时钟及历史记录	●	
Scheduled Start/Stop 定时开关机	●	
Monitor Port/监控接口	RS485/ETHERNET	RS485
Programming Port/编程接口	USB/RS485/ETHERNET	LINK/RS485
CANBUS	●	
DC Supply 直流工作电源范围	DC(8～35)V	
Case Dimensions 外形尺寸(mm)	242*186*49(L*W*H)	197*152*47(L*W*H)
Panel Cutout 安装尺寸(mm)	214*160	186*141
Operating Temp. 工作温度	(-25~+70)℃	
IP/防护等级	IP65	

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ENGINE CONTROLLER / 工程机械控制器



ACC7200
Diesel Air Compressor Controller
柴驱空压机控制器



ACC5100
Diesel Air Compressor Controller
柴驱空压机控制器



ACC1700CAN
Diesel Air Compressor Controller
柴驱空压机控制器



ACC4100
Air Compressor Controller
空压机控制器

Model/型号	ACC7200	ACC5100	ACC1700CAN	ACC4100
Main Functions 主要功能	It is used for air compressor with diesel-driven engine in order to realize functions of compressor start/stop, data measurement, maintenance, alarm protection and "three remotes". 可用于柴油发动机驱动的空压机，实现空压机的开机停机、数据测量、维护保养、报警保护及“三遥”功能。	The controller is suitable for diesel engine driven air compressor, which can realize start/stop, data measurement, maintenance, alarm protection, and "Three Remote" functions. The controller features speed regulation function. With the CANBUS (SAE J1939) interface, it can control various ECU or non-ECU diesel engine driven air compressor. 用于柴油发动机驱动的空压机，实现空压机的开机停机、数据测量、维护保养、报警保护及“三遥”功能。控制器具有调速功能，带有CANBUS(SAE J1939)接口，可控制多种电喷或非电喷柴驱空压机。	ACC1700CAN Diesel Air Compressor Controller is used for air compressor with diesel-driven engine to realize air compressor start/stop, data measurement, maintenance, alarm protection and "Three Remotes". ACC1700CAN controller has speed regulator function, and CANBUS (SAE J1939) port, which can control various ECU diesel air compressors. 具有空压机开/停机、数据测量、维护保养、报警保护及“三遥”功能，具有调速功能，带有CANBUS(SAE J1939)接口，可控制多种电喷柴驱空压机。	Diesel driven air compressor control module withspeed regulationfunction and CANBUS communication interface. 柴驱空压机控制模块，具有调速功能、CANBUS通信接口。
Display/显示器	4.3-inch Color LCD/4.3英寸彩屏	Color LCD(320*240)/彩屏	LCD(132*64)	
Operation Panel 操作面板	Silicon Rubber/硅胶			
Language 控制器语言	Chinese＆English&Other 中文＆英文及其他	Chinese& English& Russian/中文&英文&俄文	Chinese＆English/中文＆英文	
Digital Input 开关量输入口	10	5	1(E-STOP)+2/1(急停)+2	6
Relay Output 继电器输出口	10	6	5	7
Analog Input 模拟量输入口	8	6	5	6
Speed Adjustment Function 调速功能	●			
RTC＆Event Log 实时时钟及历史记录	●		Only Event Log but no RTC 有历史记录无实时时钟	●
Maintenance 保养功能	●			
Monitor Port/监控接口	RS485			
Programming Port/ 编程接口	USB/RS485		Bluetooth/蓝牙/RS485	USB/RS485
CANBUS(J1939)	●			
DC5V Output DC5V输出	●			●
DPF Regenerate DPF再生	●			
DC Supply 直流工作电源范围	DC(8~35)V			
Case Dimensions 外形尺寸(mm)	209*166*49(L*W*H)	180*236*74（L*W*H）	96*86*47（L*W*H）	135*110*44(L*W*H)
Panel Cutout 安装尺寸(mm)	186*141	151*201, 4×φ4.5mm	78*66	116*90
Operating Temp. 工作温度	(-40~+70)℃		(-25~+70)℃	