



FPC915

FPC915 Diesel Driven Fire Pump Controller is designed for fire pump systems which controlled by engine. It allows automatic start/stop, data measurement, alarm protection functions. CANBUS (SAE J1939) interface enables the controller to communicate with various engine which fitted with J1939 interface.

Product Code : 6040003

Power Supply : DC(8-35)V

Case Dimensions : 237*172*45(mm)

Panel Cutout : 214*160(mm)

Operating Temp. : (-25~+70)°C

Weight : 0.95kg

COMPLETE DESCRIPTION

FPC915 Diesel Driven Fire Pump Controller is designed for fire pump systems which controlled by engine. It allows automatic start/stop, data measurement, alarm protection functions. CANBUS (SAE J1939) interface enables the controller to communicate with various engine which fitted with J1939 interface.

FPC915 Diesel Driven Fire Pump Controller fit with LCD display, optional languages interface (including English, Chinese or other languages); simultaneously the exact parameters of pump unit and engine are indicated by the LCD display on the front panel and the controller is reliable and easy to use. adopt powerful 32-bit ARM microprocessor technology with precision parameters measuring, fixed value adjustment, time setting and set value adjusting and etc. The majority of parameters can be configured from front panel and all the parameters can be set using PC (via USB port). It can be widely used in a number of pump control systems with compact structure, simple connections and high reliability.

PERFORMANCE AND CHARACTERISTICS

1. 480x272 pixel, 4.3 inches coloured TFT-LCD with backlight, multilingual interface (including English, Chinese or other languages) which can be chosen at the site, making commissioning convenient for factory personnel.
2. Improved LCD wear-resistance and scratch resistance due to hard screen acrylic.
3. Silicon panel and pushbuttons for better operation in high/low temperature environment.
4. RS485 communication port enabling remote control, remote measuring, remote communication via ModBus protocol.
5. Equipped with CANBUS port and can communicate with J1939 genset. Not only can you monitoring frequently-used data (such as water temperature, oil pressure, engine speed, fuel consumption and so on) of ECU machine, but also control start, stop, simultaneously expand module via CANBUS port.
6. Discharge pressure curve and flow curve are user-defined.
7. Multiple analog sensors; sensors can switch between resistor type and current type using jumper.
8. More kinds of curves of temperature, oil pressure, fuel level can be used directly and users can define the sensor curves by themselves.
9. Precision measure and display parameters about Engine and pump unit; e.g. engine high water temperature, low oil pressure, over speed, high water pressure, low water pressure, over flow and other kinds of fault indication and protection function.
10. All output ports are relay-out;
11. Parameter setting: parameters can be modified and stored in internal FLASH memory and cannot be lost even in case of power outage; most of them can be adjusted using front panel of the controller and all of them can be modified using PC via USB port.
12. Multiple crank disconnect conditions (speed sensor, oil pressure) are optional;
13. Widely power supply range DC(8~35)V, suitable to different starting battery voltage environment;
14. Event log, real-time clock, scheduled start & stop pump unit (can be set as start pump unit once a day/week/month whether with load or not);
15. Accumulative total run time A and B. Users can reset it as 0 and re-accumulative the value which make convenience to users to count the total value as their wish.

16. Can control engine heater, cooler and fuel pump.
17. With maintenance function. Actions can be set when maintenance time out;
18. All parameters used digital adjustment, instead of conventional analog modulation with normal potentiometer, more reliability and stability;
19. Waterproof security level IP55 due to rubber seal installed between the controller enclosure and panel fascia;
20. Metal fixing clips enable perfect performance in high temperature environment;
21. Modular design, anti-flaming ABS plastic enclosure, pluggable connection terminals and embedded installation way; compact structure with easy mounting.

PARAMETER LIST

Function Item	Parameter
Display	4.3 inches TFT-LCD (480*272)
Operation Panel	Silicon Rubber
Language	Chinese & English & Others
Digital Input	18
Analogue Input	7
Digital Output	12
Monitor Interface	RS485
Programmable Interface	USB/RS485
RTC & Event Log	●
Scheduled Start/Stop	●
CANBUS	●
Dual-Battery Start Output	●
External Expansion	●
Internal PLC Logic	●
Inlet / Outlet Pressure	●
Capacity / Head	●
Charger Working Status Monitoring	●
Maintenance	●

Function Item	Parameter
IP Protection Class	IP55
DC Supply	DC(8~35)V
Case Dimensions(mm)	237*172*45
Panel Cutout(mm)	214*160
Operating Temp.	(-25~+70)°C

Application

