Overview
纲要

SmartGen pump control system can resist the influence of machinery,electric,vibration,thermal stress and damp environment.

SmartGen

SmartGen control system can start the pump unit in 5 seconds automatically.Supervision alarming and managing of fauit are also realized in the system.

SmartGen   5

SmartGen pump control system is universal,functional,and reliable.It canwork with different kinds of diesel pump unit.
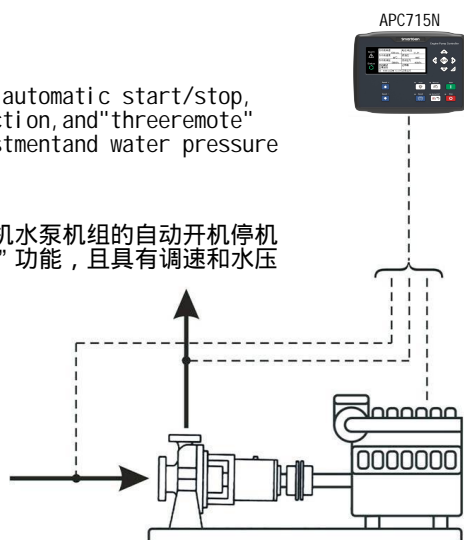
SmartGen

Application
应用方案

Practical Pump Unit---APC715N
---APC715N

APC715N

Control pump unit to realize automatic start/stop, data measurement,alarm protection,and"threeremote" function,and with speed adjustmentand water pressure detection function.

"   "

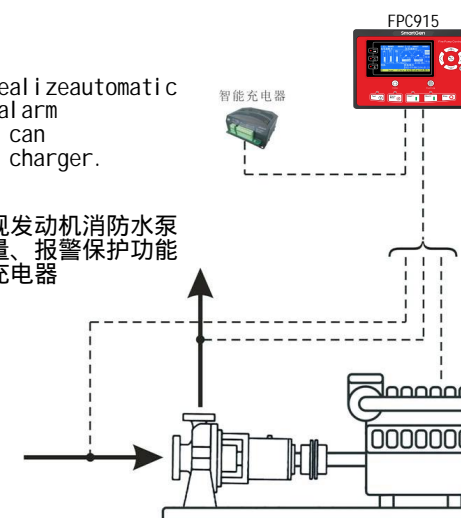### Fire Pump Unit Solution---FPC915
---FPC915

FPC915

Control fire pump unit to realizeautomatic start/stop,datameasurement,alarm protectionfunction,and also can communicatewith intelligent charger.

智能充电器

APC615

Pump Unit Controller

Characteristics:

1. Used for control and protection of the pump unit

2. RS485 communication interface to realize " Three Remote" function (Remote control, detection, and communication)

3. ICANBUS interface for monitoring and controlling function

4. Relay and ECU engine CANBUS speed regulation interface

5. One speed sensor interface to detect engine speed

6. Six analog input ports to collect various parameters of engine and pump precisely

7. Multiple starting success conditions to select

8. Automatic and manual speed regulation function

9. Idle control function

10. Control function for heater, cooling unit and fuel pump

11. Maintenance function

12. Functions of event log, real-time clock and scheduled start/stop

13. Five programmable input ports and six programmable output ports.

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2.   RS485   "   "

3.   CANBUS

4.   CANBUS

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13. 5   /6

APC715

Pump Unit Controller

Characteristics:

1. Used for control and protection of the pump unit;
2. 4.3-inch color LCD screen to display, multiple languages to switch;
3. USB interface for programming;
4. RS485 communication interface to realize "Three Remote" function (Remote control, detection, and communication);
5. CANBUS interface for monitoring and controlling function;
6. Speed regulation interfaces of GOV analog for electric speed controller, relay and ECU engine CANBUS;
7. Two speed sensor interfaces to detect engine speed and gearbox speed;
8. Ten analog input ports to collect various parameters of engine and pump precisely;
9. Two battery voltage sampling interfaces for two sets of starting batteries switch;
10. Multiple starting success conditions to select;
11. Automatic and manual speed regulation function;
12. Idle control function;
13. PLC function to meet the need of complex system application;
14. Control function for heater, cooling unit and fuel pump;
15. Maintenance function;
16. Functions of event log, real-time clock and scheduled start/stop;
17. Function of subtotal runnning time/number(A, B);
18. Nine programmable input ports and ten programmable relay output ports.

1.
2. 4.3
3. USB
4. RS485 " "
5. CANBUS
6. GOV CANBUS
7. 2
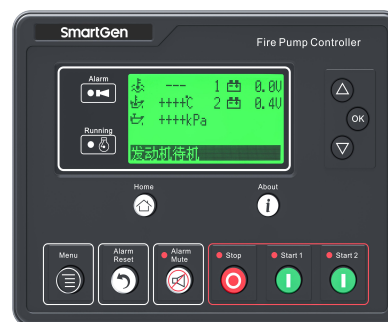8. 10
9. 2 2
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12.
13. PLC
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16.
17. / A B
18. 9 /10

APC715N

Engine Pump Controller

Characteristics:

1. Used for control and protection of the diesel engine driven pump unit
2. 4.3-inch LCD screen to display, multiple languages to switch
3. USB interface for programming
4. ETHERNET interface to realize remote monitoring function
5. Two RS485 communication interfaces to realize "Four Remote" function (Remote control, detection, communication and regulation)
6. CANBUS interface for monitoring and controlling function
7. Speed regulation interfaces of GOV analog for electric speed controller, relay and ECU engine CANBUS
8. Two speed sensor interfaces to detect engine speed and gearbox speed
9. Ten analog input ports (five fixed analog inputs and the others can be self-configured as resistance, current or voltage type of analog inputs)
10. Two battery voltage sampling interfaces for two sets of starting batteries switch
11. Multiple starting success conditions to select
12. Information shown in the homepage can be self-defined via host PC
13. Automatic and manual speed regulation function
14. Idle control function
15. PLC function to meet the need of complex system application
16. Control function for heater, cooling unit and fuel pump
17. Maintenance function
18. Functions of event log, real-time clock and scheduled start/stop
19. Function of subtotal runnning time/number(A, B)
20. Nine programmable input ports and ten programmable relay output ports.

1.
2. 4.3   LCD
3.   USB
4.   THERNET
5.   2 RS485   ，   "   "
6.   CANBUS
7.   GOV   CANBUS
8.   2
9. 10   5   5
10. 2   2
11.
12.
13.
14.
15.   PLC
16.
17.
18.
19.   /   A B
20. 9   /10   .
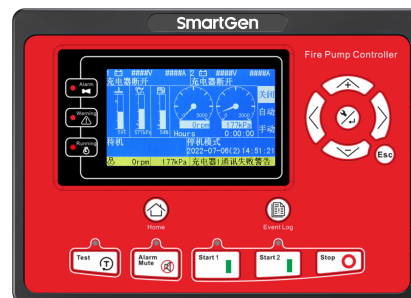
FPC615

Fire Pump Controller

Characteristics:

1. Used for control and protection of the fire pump unit;

2. LINK interface to realize remote monitoring function;

3. One speed sensor interface to detect engine speed;

4. Two battery voltage sampling interfaces for two sets of starting batteries switch;

5. Three fixed analog input ports;

6. Dual starting function to control two starters respectively;

7. Maintenance function;

8. Functions of event log and real-time clock;

9. Three programmable input ports;

10. Nine fixed output ports and one programmable output ports.

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2.　　LINK

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4.2　　　　　　　　　　　　　　　2

5.3

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9.3

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FPC915

Diesel Engine Fire Pump Controller

Characteristics:

1. Used for control and protection of the fire pump unit;

2. 4.3-inch color LCD screen to display, multiple languages to switch;

3. USB interface for programming;

4. LINK interface to realize remote monitoring function;

5. RS485 communication interface to monitor two battery chargers' working status and two sets of batteries' status;

6. CANBUS interface for monitoring and controlling function, which can be used for output module extension;

7. One speed sensor interface to detect engine speed;

8. Seven analog input ports to collect various parameters of engine and pump precisely;

9. Multiple starting success conditions to select;

10. Functions of dual starting and battery auto-switch;

11. Control function for heater, cooling unit and fuel pump;

12. Maintenance function;

13. Functions of event log, real-time clock and scheduled start/stop;

14. Function of subtotal runnning time/number(A, B);

15. Eighteen programmable input ports and nine programmable relay output ports.

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2. 4.3

3. USB

4.   LINK

5.   RS485   2

6.   CANBUS

7.   1

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13.   ;

14.   /   (A B);

15. 18   /9