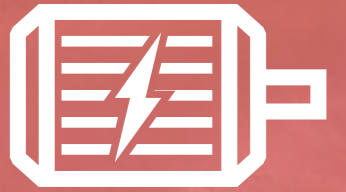




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# CFME / CNFE CONTROLLERS FOR ELECTRIC MOTOR DRIVEN FIRE PUMPS

NFPA20 STD. FM APPROVED UL LISTED





# Main technical characteristics

The Models CFME and CNFE Series electric motor driven fire pump controller has a general arrangement in compliance with **UL 218 and/or FM 1321/1323 requirements**.

It is intended for control and automatic starting of **electric motors driving fire pumps**, and has the capability of manually starting and stopping.

Automatic operation is initiated by a loss of system pressure that is sensed through the pressure transducer at a user selectable start threshold.

Manual operation is initiated by the start pushbutton, and weekly testing is initiated by the test drain solenoid. All controller settings are programmed into the microprocessor through the main display panel, and are password protected.



I/O board

## Technical data

### ACROSS THE LINE starting

Enclosure Size	200-208VAC	220-240VAC	380-415VAC	440-480VAC
800x600x300	5÷15Hp	5÷20Hp	5÷30Hp	5÷40Hp
1100x700x300	20÷30Hp	25÷40Hp	40÷60Hp	50÷75Hp
1600x800x400	40÷100Hp	50÷125Hp	75÷200Hp	100÷250Hp
1800x1000x400	125÷200Hp	150÷200Hp	250÷450Hp	300÷500Hp

### WYE - DELTA starting

Enclosure Size	200-208VAC	220-240VAC	380-415VAC	440-480VAC
800x600x300	5÷30Hp	5÷30Hp	5÷60Hp	5÷75Hp
1100x700x300	40÷60Hp	40÷75Hp	75÷100Hp	100÷150Hp
1600x800x400	75÷150Hp	100÷150Hp	125÷300Hp	200÷350Hp
1800x1000x400	200Hp	200÷300Hp	350÷500Hp	400÷500Hp

Communication	
1	Modbus RTU RS485
2	Modbus TCP IP
3	WebServer

Ambient and thermal rating	
Boards Tropicalization	Option
Protection rating: IP55	Option
Protection rating: IP65 or IP66	Option
Forced ventilation circuit 230VAC (IP55)	Option
Ambient temperature rating 5÷50°C / 41÷122°F	Option
Ambient temperature rating 5÷55°C / 41÷131°F	Option
Anti-condensation heater with thermostat and/or humidistat	Option

Mechanical accessories	
Mounting stand	Option
I/O expansion module – 10 input	Option
I/O expansion module – 5 output	Option
Customized language	Option
Modbus RTU RS485 protocol	Option
Modbus TCP-IP Ethernet protocol	Option
Web Server Ethernet protocol	Option
Wi-Fi Direct and Access Point protocol	Option
Stainless Steel AISI 316 Manifold for sea water	Option
GSM module for remote supervision (internet supervision)	Option
Digital Battery Tester Instrument with WI-FI Printer (supplied loose)	Option

System configuration	
Pressure actuated controller (pressure transducer and run test solenoid valve)	Provided as standard
Foam pump application (w/o pressure transducer and run test solenoid valve)	Option
Non pressure actuated controller (w/o pressure transducer and run test solenoid valve)	Option



Controller CFME / CNFE



Homepage



Main menu



Pressure recorder transducer and run test solenoid valve



Analog input page



Emergency lever



Pressure recording page

- > Enclosure mechanical protection IP55
- > Controller rated temperature 55°C
- > Audible alarm
- > Programmable weekly test shutdown
- > Pump curve recording
- > Dry contacts for remote indication
- > Manual start pushbutton
- > Stop pushbutton
- > Pressure transducer
- > Run test solenoid valve
- > Programmable Auto Off
- > Event recording