

earth^o safe

Fuel Systems for Critical Power

C500 CentraFlow

Master Pump Controller

The C500 controller is a pump motor control center, up to 20 pumps, with dual power feeds, and auto switch on power source failure. The controller includes a networkable micro-PLC for control and monitoring. The unit also integrates power quality monitoring functions.

The integral PLC controller monitors all power system functions and provides operator information through the touch screen display. The Controller networks with other system controllers using Ethernet, and directly to Building Management Systems with an option of BACnet, Modbus, Metasys N2, or Lon protocols.

Performance Characteristics include:

- Dual Power Source Feed 208 VAC – 1 Phase or 230/480 VAC – 3 Phase
- Auto-Switch on Primary Power Source Fail
- Dual Control Power Transformer
- Pump Motor Starters with Manual Disconnect and Overload Protection
- PLC Based Power Monitoring for Power Source Status, Voltage, and Current Draw
- Power Monitoring and Reporting for Control Circuit Breakers and Motor starters
- Integration with other Earthsafe Controllers and BMS Systems

UL Listed: All controllers are UL listed

Voltage Range: 120 VAC - 1 Phase, 240 VAC 1-3 Phase, 480 VAC – 3 Phase, 50-60 HZ

Power Range: 0.25 to 15 HP (0.18 to 11 KW)

| | |
|---|---|
| Dimensions 4 Pump 8 Pump 12 Pump 16 Pump 20 Pump | 24"Hx30"Wx8"D (600x760x200) 36"Hx48"Wx8"D (914x1219x200) 36"Hx60"Wx8"D (914x1524x200) 72"Hx72"Wx10"D (1828x1828x250) |
| Approval | UL |
| Enclosure | NEMA Color RAL7035 (Light Gray) |
| Environmental | -20 to 130F (-30 to 55C) |
| Motor Protection | Allen Bradley Components Motor Starter or VFD Drive Overload Protection Lockable Disconnect Switch |
| Output Relays | Not-In-Auto Signal Current Sensor Fault Signal |
| Other | Remote Start Input 24 VDC |
| Communication | BACnet, Modbus, LON |
| Options | 50 Hz Power CE Approval |

Ordering Information

| Ordering Part | Description |
|----------------|---|
| C5AA.XXX.Y.ZZZ | C4AA.XXX VAC-Y PH-Z.ZZ HP |
| AA= | Pump Count 4-20 |
| XXX = | Voltage (120, 208, 230, 480) |
| Y = | Phase (1 or 3) |
| ZZZ = | HP (0.50, 0.75, 1.00, 1.50, 2.00, 3.00, 5.00, 7.50) OR KW (0.33, 0.55, 0.75, 1.00, 1.50, 2.23, 3.72, 5.60) |