

# 331 PUMP CONTROL PANEL

## THREE PHASE DUPLEX APPLICATIONS



### OVERVIEW

The 331 Control Panel is designed for three phase duplex pump applications (three voltages 208/240/480 VAC, one panel). The panel utilizes the robust DPC-4F controller which provides the pump control ON & OFF sequence, pump alternation selection, lag pump delay time, and highwater alarm and float out-of-sequence alarm conditions. Models available with intrinsically safe relay for circuit extension into hazardous locations.

### MODELS AVAILABLE

- **1061040 331SS** Stainless Steel Wall Mount  
NEMA 4X Enclosure
- **1061041 331FG** Fiberglass Wall Mount  
NEMA 4X Enclosure
- **1059965 331SS-IS** Stainless Steel Wall Mount  
NEMA 4X Enclosure  
Intrinsically Safe
- **1059966 331FG-IS** Fiberglass Wall Mount  
NEMA 4X Enclosure  
Intrinsically Safe

\*Overload modules sold separately based on motor FLA, order quantity 2.

### OPTIONS (Customer Installed)

- **1033805** (1.25-5.0) FLA Overload Module
- **1023500** (4.5-18.0) FLA Overload Module
- **1033806** (8.0-32.0) FLA Overload Module
- **1036351** Surge arrestor and bracket
- **1027807** Pedestal painted steel
- **1027824** Pedestal stainless steel
- **1025530** Pedestal fiberglass

### SPECIFICATIONS

- Padlockable wall mount NEMA 4X
- White painted steel inner door and backplate
- Single-point power connection
- IEC HP rated motor starter with adjustable class 10 ambient compensated overloads
- 10 HP max @208VAC, 240VAC
- 20 HP max @480VAC
- Pump short circuit disconnect/overload reset through inner door
- Overtemp shutdown for motor winding switches (auto reset)
- DPC-4F controller
  - Pump sequence control
  - Pump selector switch (Alt, 1-2, 2-1)
  - Pump lag delay time adjustable (0-60 sec)
  - High water alarm
  - Float out of sequence alarm and float reassignment during event
  - Pump call (green), control power (green), float status (amber) and alarm (red) LED indicators
- Tri-voltage stepdown control transformer
- Dual Seal Fail module, adjustable 1kΩ-250kΩ with red LED indicators
- Red flashing alarm beacon and audible horn
- Alarm silence and push-to-test 22mm
- Hand-Off-Auto selector switches 22mm
- Pump Run (green) LED indicators 22 mm
- Elapse time meters
- Auxiliary contacts
- 4-channel intrinsically safe relay (I.S. models only)



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