

## MYRIAD DPC DUPLEX PUMP CONTROLLER

### STANDARD FEATURES

- Σ Microprocessor Based
- Σ Graphic LCD Display
- Σ 5 Function keys
- Σ Isolated 24VDC Sensor Power
- Σ 4/20MA, 1-5V, 0-5V, 0-10VDC Input
- Σ 4 Analog Inputs
- Σ 4 Digital Inputs
- Σ 4 Analog Outputs
- Σ 4 Relay Outputs 5 AMP
- Σ 4 Digital Outputs.
- Σ Fully User Programmable in English
- Σ MODBUS® RTU RS485 +User Port
- Σ 'Pop Up' Alarm Screens



### THE MYRIAD DPC PROVIDES COMPLETE CONTROL FOR TWO PUMPS, CONSTANT SPEED OR VARIABLE SPEED

- Displays level in numeric and bar graph forms
- Displays pump run status
- Allows full user selection of all system variables
- Monitors critical alarms (motor over temperature, etc.)
- Monitors non-critical alarms (seal leak, etc.)
- Monitors hand off auto selections switch position
- Monitors pump (VFD) 'run' feedback
- Provides digital and relay outputs for pump control, level alarm, sensor fail, pump fault, and seal leak
- Provides 4/20MA outputs for VFD speed setting and proportional control
- Retransmits level signal
- Provides time and date 'stamped' alarm information
- Audible and visual alarms
- Allows simulation of level to exercise pumps or verify operation
- Records "MAX" and "MIN" process values and a graphic trend chart for trouble shooting
- Available in 1/4 DIN panel mount and Nema 4X enclosures

The Myriad DPC ushers in a new generation of pump controllers. From the ¼ Din 4" X 4" housing with fully removable P.C. board, to the 128 X 32 pixel bitmapped LCD display and

simple user setup, the Myriad DPC offers unmatched versatility in pump control and management. The unit accepts a standard analog input signal and offers isolated retransmission of

signal. Relay outputs may be configured for pump control or alarms and are front panel settable, for 'set' and 'reset' points. Graphical and numerical process displays are standard.

**VISIT OUR WEBSITE AT SIGMA CONTROLS.COM**

MYRIAD DPC 110922

## MYRIAD DPC DUPLEX PUMP CONTROLLER

- **INPUTS (4 ea.)**  
Analog, 4/20MA, 0-5V, 1-5V, 0-10VDC, isolated with common negative, +/-0.1% accuracy
- **INPUTS: (4 ea.)**  
Digital 10-30V AC or DC, 120 or 240 VAC Opto isolated
- **OUTPUTS: (4 ea.)**  
Analog, with common negative 0-20MA, 4/20MA, 0-5V, 0-10V (voltage output requires a resistor)
- **OUTPUTS: (4 ea.)**  
SPDT, Form 'C' 5A relay
- **OUTPUTS: (4 ea.)** Digital, Opto isolated
- **DISPLAY:**  
LCD, 128 x 32 bitmapped graphical display.
- **LOOP POWER:**  
24VDC Regulated output, 100ma max.
- **5 USER KEYS:**  
Up, Down, Left, Right, Enter
- **ACCURACY:**  
0.1% of Calibrated Span
- **24VDC excitation**  
Output 100MA
- **LOCKOUT:**  
User Password

- **INPUT IMPEDANCE:**  
Voltage 100K Current 100 OHMS
- **POWER:**  
120/230 VAC, 24VDC
- **ENVIRONMENTAL:**  
Operating, 0-65 ° C  
Storage, -40 - 80° C  
R.H., 0-90% Non-Condensing
- **ENCLOSURE:**  
¼ Din, ABS Plastic 96 x 96 x 150mm
- **FRONT PANEL:**  
Gasketed Nema 4X
- **ACCESS**  
Chassis & Boards remove from front of case
- **TERMINAL STRIP**  
(40) 'Pluggable' for Ease of Wiring 28 – 16 AWG
- **CONNECTIONS:**  
Removable screw terminal blocks 28 - 16 AWG wire
- **CONTROL OUTPUTS**  
Four digital outputs user programmable, SPDT Form 'C' relays 5 AMP
- **ALARM ANNUNCIATION:**  
Multiple alarm annunciation on graphic screen, on board piezo buzzer

- **PROGRAMMING**  
Menu based, all parameters and setpoints are user configurable via menu prompt and the user keys using the pre-configured screens and 'pull down' sub menus with English prompts assure rapid setup and commissioning.
- **Selectable Pump Alternation,** pump omit, lead pump select. User level 'simulator' for system test pump 'exercise'.
- **1 YEAR WARRANTY**
- **OPTIONS**  
Include relay outputs, real time clock, expansion cards
- **EXPANSION CARDS**  
Allow up to 8 relay outputs, 8 digital outputs, 8 analog input and 8 analog output in a single ¼ din panel mountable case.

