MASTER LEVEL CONTROLS

PUMPMASTER

DIGITAL PUMPMASTER
DP2A-900-1
2 PUMP CONTROL WITH ALTERNATION

FEATURES

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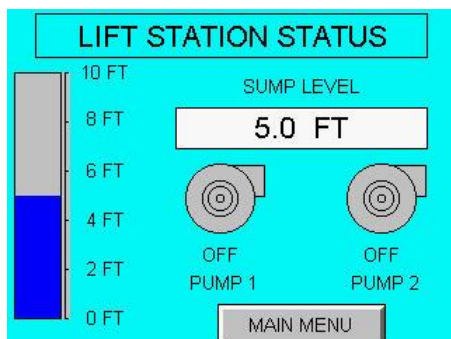|	
4.3" COLOR TOUCH DISPLAY	I/O LOGIC CONTROLLER
LEAD- LAG CONTROLLER	ALTERNATOR
ALTERNATOR OVERRIDE	HIGH ALARM
ALARM HISTORY LIST	SUBMERSIBLE TRANSDUCER
LIGHTNING PROTECTION	RANGE 0-12, 0-24 FEET
HAND-OFF-AUTO SWITCHES	NEMA 12 ENCLOSURE

OPTIONS

3, 4 PUMP CONTROLLER WITH ALTERNATION
RADIO TELEMETRY, SCADA COMPATIBLE
COMMUNICATION PORTS, ETHERNET
INTERNAL DIALER, PRINTER OUTPUT
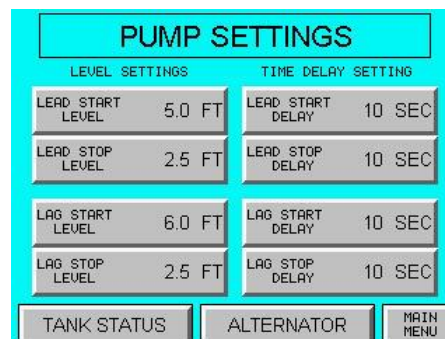CALL FOR OPTIONAL PRICING

DIGITAL PUMPMASTER

The Digital Pumpmaster is a sewage lift station controller which senses level in the sump and controls one or more pumps. The Digital Pumpmaster consists of a OCS Operator Control Display and a Programmable Logic Controller with digital and analog I/O, and a Level Transducer. The OCS provides 24 digital I/O, 4 analog inputs, and 2 analog outputs. The Pumpmaster OCS Operator Control Display has a 4.3 inch color display with 65K colors. The Operator selects pre-programmed screens and inputs level start and stop setpoints, time delays, alternation features, and alarm conditions. The OCS Display panel has a 480 X 272 pixel color touch screen. One of the menu screens is the LIFT STATION STATUS. The status screen displays level in feet, plus a bar graph, and pump status. Other menu screens allow the operator to select level setpoints or time delays.

Lift Station Status   Pump Settings

DP2A PUMPMASTER Main Menu Screens

LIFT STATION STATUS, LEVEL AND PUMP STATUS
        PUMP SETPOINTS
                LEAD PUMP START AND STOP LEVEL SETPOINTS (1/10 foot)
                LAG PUMP START AND STOP LEVEL SETPOINTS (1/10 foot)
                LEAD PUMP START AND STOP TIME DELAY SETTING (0-90 seconds)
                LAG PUMP START AND STOP TIME DELAY SETTING (0-90 seconds)
        PUMP ALTERNATOR SETUP
                AUTOMATIC ALTERNATION
                SET FIXED PUMPING ORDER, PUMP 1 - PUMP 2
                SET FIXED PUMPING ORDER, PUMP 2 - PUMP 1
        PUMP FAIL DELAY (Fail off, 5-90 seconds)
        ALARM SETTINGS
                HIGH ALARM SETPOINTS (1/10 foot)
                HIGH ALARM TIME DELAY SETTINGS (0-90 seconds)
        ALARM HISTORY LIST (Time, date, type of fault, High Level, Pump 1 Fail, Pump 2 Fail)
        PUMP HISTORY (Run Time and Pump Start Counter for each pump)
        TRANSDUCER INPUT (Zero and Span)

The Programmable Logic Controller has 4 analog inputs, 2 analog outputs, 12 digital inputs and 12 outputs. The analog 4-20ma input is from a Submersible Level Transducer with a range of 0 - 12 or 0 - 24 feet. Pump hand-off-auto control switches are provided for each pump. Pump output relays are provided and are rated 10 amp @ 120/230v.

MASTER LEVEL CONTROLS

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DIGITAL PUMPMASTER   JUN 2019

MODEL NO.	DESCRIPTION	VOLTAGE	PRICE
DP2A-900-1	2 Pump Controller, 4.3" Color Level Display, Alternator, High Alarm, 0 - 24 FT. Programmable Logic Controller, 12 DI, 12DO, 4 AI, 2 AO, HOA Switches, Output Relays, Nema 12 Enclosure, 16" x 16" x 6".	120V	
DIALER OPTION	16 Digital Outputs, 2 Fail Relays with Indicators.		
DP3A-901-1	3 Pump Controller, 4.3" Color Level Display, Alternator, High Alarm, 0 - 24 FT. Programmable Logic Controller, 12 DI, 12DO, 4 AI, 2 AO, HOA Switches, Output Relays, Nema 12 Enclosure, 20" x 20" x 6".	120V	
DIALER OPTION	16 Digital Outputs, 3 Fail Relays with Indicators.		
DP4A-902-1	4 Pump Controller, 4.3" Color Level Display, Alternator, High Alarm, 0 - 24 FT. Programmable Logic Controller, 12 DI, 28 DO, 4 AI, 2 AO, HOA Switches, Output Relays, Nema 12 Enclosure, 24" x 24" x 6".	120V	
DIALER OPTION	4 Fail Relay with Indicators.		

TRANSDUCER OPTIONS

ABM-300-9	Ultrasonic Level Transducer, 1 - 9 FT, 4-20ma Output		
ABM-300-16	Ultrasonic Level Transducer, 1 - 16 FT, 4-20ma Output		
ABM-300-20	Ultrasonic Level Transducer, 1 - 20 FT, 4-20ma Output		
PT-575	Submersible Pressure Transducer, 0 - 24 FT, 4-20ma Out +/- .25% Accuracy, with Cable Support. CABLE PER FEET		
PT-PBLT	Submersible Level Transducer, 0-5psi (11.5 ft.), 0-10psi (23 ft) 4-20ma Output, +/- .25% Accuracy, with 40 foot cable		

DIGITAL PUMPMASTER ACCESSORIES

CB-LP	Control Breaker and Lightning Protection
H-REL	High Alarm Output Relay with Silencer Switch
VXH-RED	Alarm Light Fixture with Back Box, Red Globe and Guard
DL-400	Dialer 4 Inputs, Program 4 Phone Numbers, Battery Backup
DL-800	Dialer 8 Inputs, Program 8 Phone Numbers, Battery Backup

All Prices Subject To Change Without Notice   *F.O.B. Rogers, MN*

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