

TANKMASTER

DIGITAL TANKMASTER
DT2A-900-1
2 PUMP CONTROL WITH ALTERNATION



FEATURES

4.3" COLOR TOUCH DISPLAY
LEAD- LAG CONTROLLER
ALTERNATOR OVERRIDE
ALARM HISTORY LIST
LIGHTNING PROTECTION
HAND-OFF-AUTO SWITCHES

I/O LOGIC CONTROLLER
ALTERNATOR
HIGH AND LOW ALARM
PRESSURE TRANSDUCER
RANGE 0-50PSI/100PSI
NEMA 12 ENCLOSURE

OPTIONS

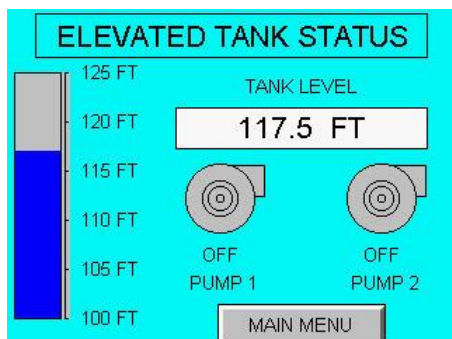
3, 4 PUMP CONTROLLER WITH ALTERNATION
MONITOR AND CONTROL 2 TANK LEVELS
RADIO TELEMTRY, SCADA COMPATIBLE
COMMUNICATION PORTS, ETHERNET
INTERNAL DIALER, PRINTER OUTPUT
CALL FOR OPTIONAL PRICING

MASTER LEVEL CONTROLS CO.

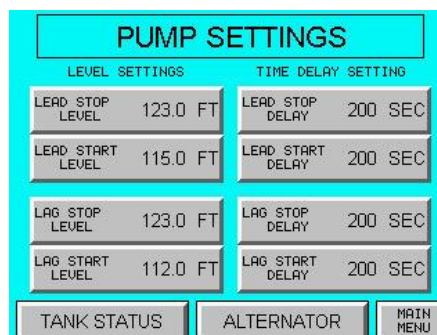
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DIGITAL TANKMASTER

The Digital Tankmaster is a pressure controller which senses level of a tank and controls one or more pumps. The Digital Tankmaster consists of a OCS Operator Control Display with an Programmable Logic Controller. The OCS provides 24 digital I/O, 4 analog inputs and 2 analog outputs. A Pressure Transducer provide a analog level input. The Tankmaster OCS digital display panel has a 4.3 inch color touch display with 65K colors. The Operator selects pre-programmed screens and provides program level start and stop setpoints, time delays, alternation features, and alarm conditions. The OCS Display Panel has a 480 X 272 pixel color touch display. One of the menu screens is the ELEVATED TANK STATUS. The status screen displays level in feet, plus a bar graph, and pump status. Other menu screens allow the operator to program level setpoints or time delays.



Elevated Tank Status



Pump Settings

DT2A TANKMASTER Main Menu Screens

ELEVATED TANK 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 (0-900 seconds)

LAG PUMP START AND STOP TIME DELAY SETTING (0-900 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, 5-900 seconds)

ALARM SETTINGS

HIGH AND LOW ALARM SETPOINTS (1/10 foot)

HIGH AND LOW ALARM TIME DELAY SETTINGS (0-900 seconds)

ALARM HISTORY LIST (Time, date, type of fault, Tank High Level, Low 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 Pressure Transducer with a range of 0-50 or 100 PSIG. The Transducer can be mounted in the enclosure or remote from the panel. The Transducer has zero and span adjustments, with +/- .25% accuracy. Pump hand-off-auto control switches are provided for each pump. Pump output relays are provided and are rated 10 amp @ 120/230v.

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MASTER LEVEL CONTROLS

A1

DIGITAL TANKMASTER

JUN 2019

MODEL NO.	DESCRIPTION	VOLTAGE	PRICE
DT2A-900-1	2 Pump Controller, 4.3" Color Level Display, Alternator, High and Low Alarm, 100 - 150FT. Programmable Logic Controller, 12 DI, 12 DO, 4 AI, 2 AO, HOA Switches, Output Relays, Nema 12 Enclosure, 16" x 16" x 6".	120V	
DIALER OPTION	16 Digital Outputs, with 2 Fail Relays and Indicators.		
DT3A-901-1	3 Pump Controller, 4.3" Color Level Display, Alternator, High and Low Alarm, 100 - 150FT. Programmable Logic Controller, 12 DI, 12 DO, 4 AI, 2 AO, HOA Switches, Output Relays, Nema 12 Enclosure, 20" x 20" x 6".	120V	
DIALER OPTION	16 Digital Outputs, with 3 Fail Relays and Indicators.		
DT4A-902-1	4 Pump Controller, 4.3" Color Level Display, Alternator, High and Low Alarm, 100 - 150FT. Programmable Logic Controller, 12 DI, 28 DO, 4 AI, 2 AO, HOA Switches, Output Relays, Relays, Nema 12 Enclosure, 24" x 24" x 6".	120V	
DIALER OPTION	4 Fail Relays and Indicators.		
TRANSDUCER OPTIONS			

PT-425	Pressure Transducer, 0-50psi or 100psi, 4-20ma Output +/- .25% Accuracy, Built Inside of Pump Controller.
PT-575	Submersible Pressure Transducer, 0-50psi, 4-20ma Out +/- .25% Accuracy, with Cable Support, CABLE PER FEET
PT-IGP10	Pressure Transducer, 0-300psi, 4-20ma Output +/- .07% Accuracy, Built Inside of Pump Controller.
PT-1151	Pressure Transducer, 0-100psi, 4-20ma Output +/- .10% Accuracy, Built Inside of Pump Controller.

DIGITAL TANKMASTER ACCESSORIES

CB-LP	Control Breaker and Lightning Protection
HL-REL	Alarm Output Indicators with Silencer Switch
SBV	Shutoff and Bleed Valves
SNUB	Pressure Snubber
HS-100	Heater and Stat, 100 Watt with Adjustable Stat
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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