

NE152 DUPLEX PUMP CONTROLLER



NE152 Features In Brief

- Duplex pump control
- Duplex alternator
- Pump Sequencing

Product Specifications:

Power Supply Input: 120VAC @ 80VA

Power Supply Output: 24 VDC @ 250mA w/120VAC input.

Analog Input: 4-20mA (250 ohm load), 0-10VDC (factory configurable)

Calibration Adj: scalable via display screen

Alarm Horn Outputs: Open collector 24VDC @ 250mA

Dimensions: 8 ½ “ high x 7 ½ “ wide x 3 ½ “ deep

Environmental: Operating temperature 32 to 122 F

Humidity: 20-90% non-condensing

◆ The **NE152** duplex pump controller is economical, space-saving, and easily integrated into new pump stations or retrofitted into existing pump station control systems. The NE152 is ideal for any pump system application where you want to effectively and efficiently control the level of the process. Whether you are working with water or wastewater the controller can be configured to fit your control system requirement.

◆ The **NE152** is an integral programmable logic controller (PLC) and human machine interface (HMI) unit in one. This combination gives you a user friendly touchscreen interface along with a customizable program that is tailored to match your control system needs.

◆ The **NE152** provides full-range, differential control of two pumps plus High and Low (Abnormal) level alarm in response to a 0-10 volt DC or 4-20mADC level-proportional signal as provided by an external sensor. The controller works with a wide range of available level sensors such as a

submersible level transducer, ultrasonic level transmitter or any other sensor that produces a linear, level-proportional analog output.

◆ The **NE152** comes complete with a built-in duplex alternator allowing pump sequencing in fixed or alternating modes. Sequence selections allow equalization of pump usage or the ability to take a pump out of service. Pump sequence selection and level control are viewable and adjustable on the main display screen.

◆ The **NE152** controller has built-in relay contact closure outputs rated at 5 amps @ 120VAC. The outputs are used to activate pump starting equipment and external alarm devices.

◆ The **NE152** controller operates on 120VAC power and provides 24 VDC @ 250mA off-board supply to power peripheral devices including alarm horns or interposing relays. All wiring terminations are located on the back of the controller with compression-type screw terminal blocks capable of securing two 14 AWG wires.

The NE152 has been designed and engineered to be a direct replacement for the US Filter D152 pump controller.

NE CONTROLS										WWW.NECONTROLS.COM (315) 626-2480									
NE152 DUPLEX PUMP CONTROLLER										SERIAL NUMBER									
		FEATURES:						TRANSDUCER CONNECTIONS											
		WET WELL LEVEL CONTROL						SIGNAL IN VDC(WHT)											
		PUMP ALTERNATION						EXCITATION (RED)											
		LEAD/LAG PUMP CONTROL						SIGNAL COM (BLK)											
		HIGH/LOW LEVEL ALARM OUTPUTS						SIGNAL IN mA (WHT)											
		ADJUSTABLE SETPOINTS						GROUND											
		PUMP1 START		PUMP2 START		ALARM OUTPUTS													
GROUND		120VAC 50/60HZ 80VA L1 N		PUMP1 START		PUMP2 START		ALARM OUTPUTS		EXTERNAL SILENCE		EXTERNAL AUDIBLE DRIVER (24VDC)		+24 VDC OUT		COMMON		GROUND	
G	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	G	G