



LC150

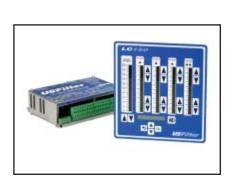
VIEW-AT-A-GLANCE

PUMP CONTROL-TELEMETRY UNIT

Simply

Features In Brief

- Telemetry Ready
- Security
- 2 or 3 Pump Control
- UL® Listed
- Alarm/Event Log
- Volumetric Flow Calculator
- VFD Control
- Optional Dialer
- Optional Ethernet Port



USFilter Control Systems is proud to LC150 introduce the Pump Controller, the newest addition to the family of "View-At-A-Glance" controllers. For nearly two decades, the D150 Series of "View-At-A-Glance" Pump Controllers has set the standard in the industry for ease of use and reliability. Now the LC150 provides the simplicity customers have come to expect with the advanced features they need - all in one system!

The LC150 is designed specifically for pump station applications and offers a simple, reliable and cost effective solution. The new "View-At-A-Glance" interface provides the operator with all the information needed to operate and maintain the pumping system and is UL® listed and NEMA® 4 rated.

FEATURES

Telemetry Ready - with the addition of a radio, phone line connection or connection to a high speed Ethernet interface (with the Ethernet option), the LC150 allows you to monitor station status, change pump start and stop setpoints, change high and low level alarm setpoints, acknowledge alarms, and view pump run, fail, and performance information remotely. If alarm notification is the only requirement, the optional integrated alarm dialer provides real voice

notification of alarm conditions over a dial up telephone line.

Versatile - the LC150 can be used to control and monitor up to three constant and/or variable speed pumps in either pump up or pump down mode. This versatility makes the LC150 useable even in difficult pump applications like pressure/flow controlled booster stations.

Time and Date Stamped Alarm/Event Log - the LC150 logs the time and date that alarms and events occur. This historical log provides the operator with the ability to analyze pump performance and system failures.

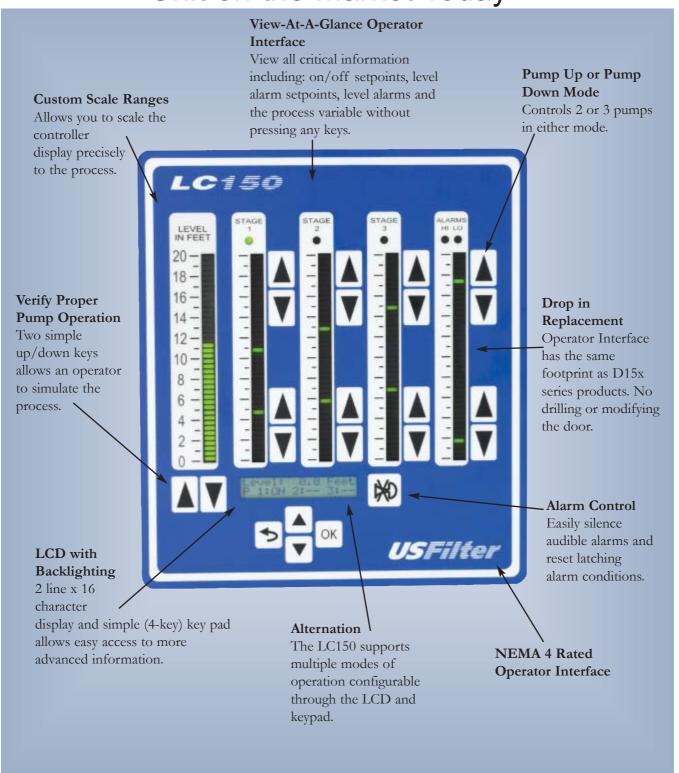
Volumetric Flow Calculator - the LC150 calculates flow rates based on level excursions and logs daily flow, flow rates per pump and average flow rate per pumping cycle. This information can be viewed locally at the operator interface and remotely via the telemetry connection.

Password Protection - three levels of password security allows only authorized users to modify the controller parameters.

Site Security - with the addition of a simple door switch or motion detector, the LC150 can function as a site security system used to detect unauthorized entry onto the premises.

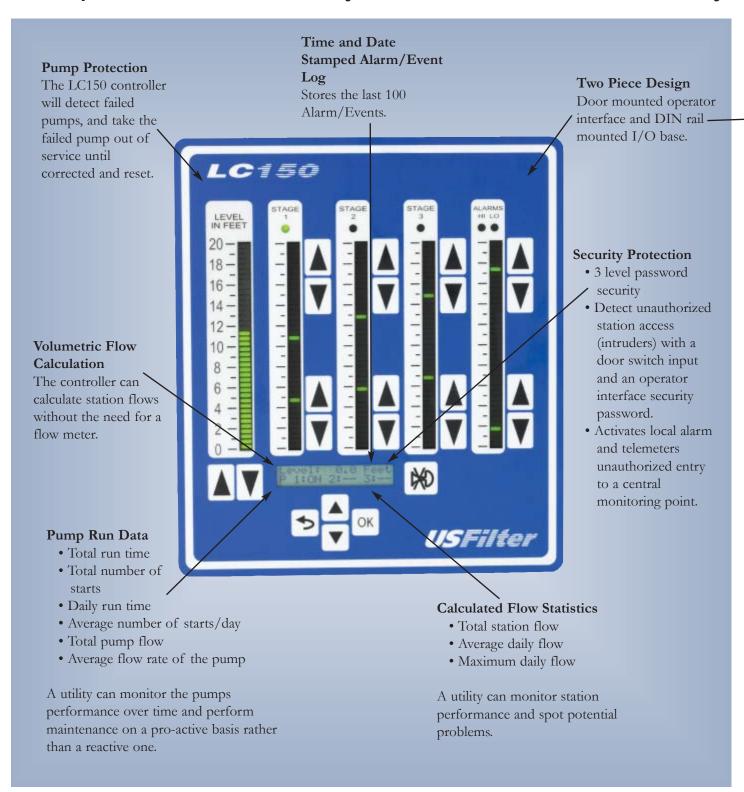
the Easiest

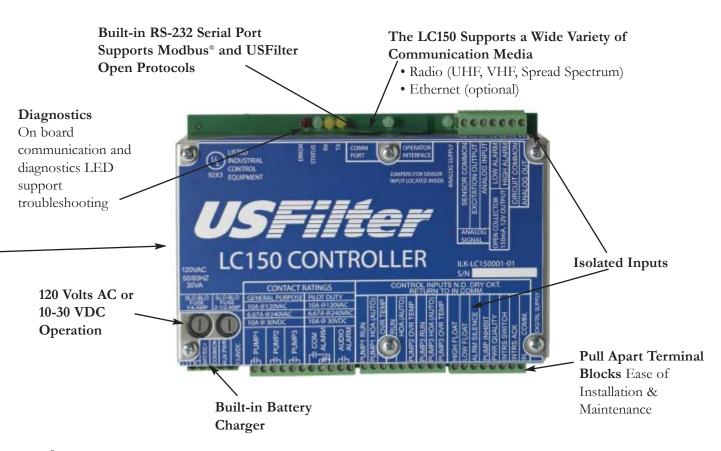
Most User Friendly Pump Control-Telemetry Unit on the Market Today



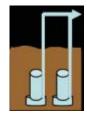
the Most Advanced

Pump Control-Telemetry Unit on the Market Today



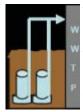


APPLICATIONS



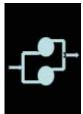
Sewage Lift Pump Station –

Controls pumps based on locally monitored wetwell level. Supports both level transmitter and float switch control inputs for primary and back up control strategies.



WWTP Influent or Effluent Pump

Station – Controls pumps based on locally monitored wetwell level. Supports both level transmitter and float switch control inputs for primary and back up control strategies.



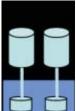
Booster Pump Station –

Controls pumps based on locally monitored discharge pressure sensor or remotely telemetered tank level.



Well Pump Station –

Controls pumps based on locally monitored pressure/level sensor or remotely telemetered tank level.



Raw Water Pump Station -

Controls pumps based on locally monitored or telemetered flow rate/pressure/level sensor signal.



Transfer Pump Station -

Controls pumps based on locally monitored wetwell level. Supports both level transmitter and float switch control inputs for primary and back up control strategies.



Irrigation Pump Station -

Controls pumps based on locally monitored discharge pressure or flow rate.

SPECIFICATIONS

Base Unit				
Power Supply	120 VAC or 10-30 VDC w/Battery backup			
Packaging	DIN rail mount, 5.4" x 7.5" x 2.25"			
Communications Port	OI port, RS232 Telemetry Port, 10/100 Ethernet port (optional), 802-11 b/g wireless Ethernet (optional), Ethernet and serial ports support Modbus and USFilter Open, 32 channel auto-dialer (optional)			
Discrete Inputs	16 channels, max 30 VDC, isolated			
Pump/Alarm Outputs	5 channels, 10A @ 120 VAC relays			
High/Low Level Alarm Outputs	2 channels, Open collector, 100 mA @ 5-30 VDC			
Analog Input	1 channel, 4-20 mA or 0-10 VDC			
Resolution	16 bits			
Calibration	Software			
Isolation	1 KV			
Excitation Voltage	24 VDC or 6.2 VDC, isolated			
Analog Output	1 channel, 0-5 VDC			
Certifications	UL, FCC, CE			

Operator Interface	
Packaging	Door mounted, 8.5" x 7.5" x 1.5"
Power	Supplied through communications cable from Base Unit
	LED columns, 40 segment, ultra bright
LCD	2 x 16 character, backlight, 4 key keypad
	RS232 w/power
Environmental Rating	NEMA 4

Part Number	Description	Availability
	1AI, 1 AO, RS232 telemetry port	Q3 2005
	LC150 Pump Controller, Base Unit, 16 DI, 5 relay outputs, 2 open collector outputs, 1AI, 1 AO, 10/100 Ethernet port	Q1 2006
	1AI, 1 AO, 802.11b/g wireless Ethernet port	Q1 2006
	1AI, 1 AO, 32 channel Auto-dialer, voice annunciated alarms, touch tone acknowledge	Q1 2006
ILK-LC150020-01	LC150 Operator Interface	Q3 2005



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To find out more about how to put USFilter to work for you, contact us at USFilter Control Systems 1239 Willow Lake Boulevard Vadnais Heights, MN 55110 800-224-9474 toll free 651-766-2700 phone 651-766-2701 fax

For more information, call 800.944.4811 or visit our web site at nmm.usfilter.com
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