



HYDROMATIC®

HPLC

Liquid Level Control

- **Highly Reliable**
 - No grease, fat or oil buildup on the switch operating mechanism
 - Completely sealed switch to void contact with liquid
 - Unaffected by turbulent conditions
 - No power cords or electrical components in the liquid
- **Corrosion Resistant**
 - Rugged PVC housing assembly
 - Stainless steel mounting bracket
 - Durable nitrile diaphragm
- **Customized**
 - Built to meet your requirements
 - Capable of handling up to 14 functions
 - 4' through 10' lengths
 - 10' through 50' cord lengths
 - 18" or 42" switching range
- **Maintenance Friendly**
 - Quick and easy installations for new or retrofit systems
 - Number of functions and switch settings
 - Totally adjustable in the field
 - No tools required to service the unit
- **Full Two Year Warranty**



**Pentair
Water™**

HYDROMATIC HPLC - Liquid Level Control

FEATURES

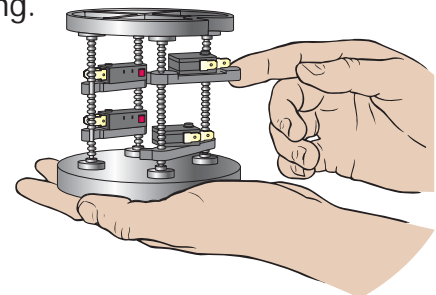


Easy switch placement and adjustment on a removable cartridge



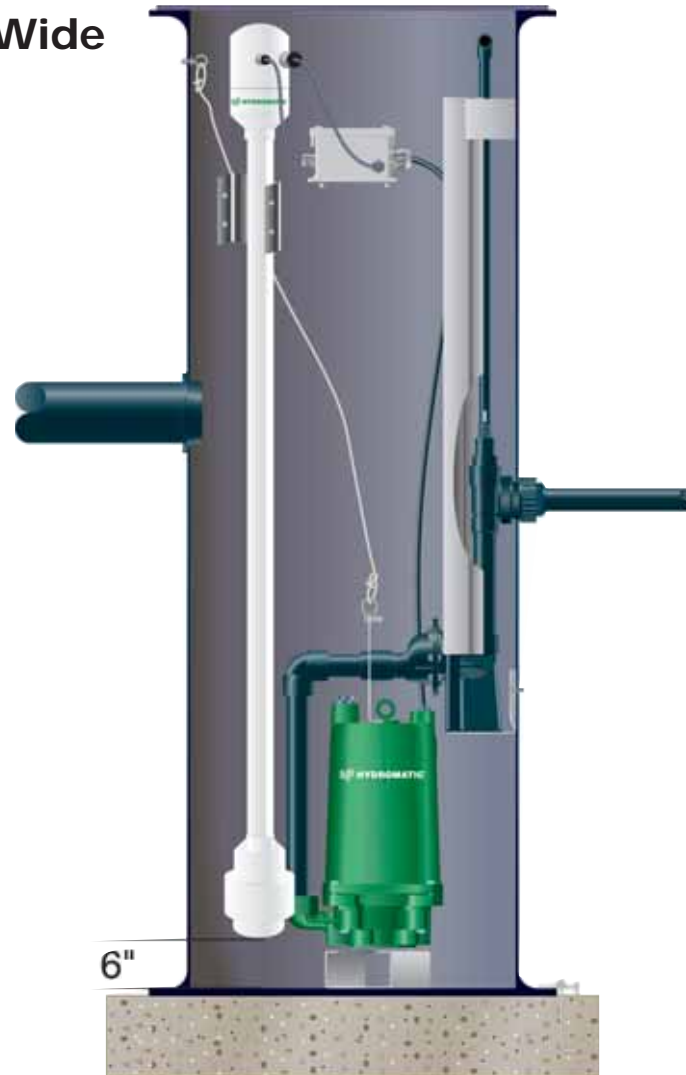
The HPLC can be placed in virtually any liquid storage or holding tank to control liquid levels including larger sump basins, sewage basins and lift stations, cisterns, septic tanks, clear water storage tanks, solution tanks, bulk tanks and more.

The housing remains stationary while a pressure activated, rolling diaphragm drives a piston throughout a series of micro switches. These are held in a unique switch track located in the head of the LCS housing. The track can hold up to 14 switches for starting and stopping pumps, activating high or low level and audible alarms, and controlling various other features.



Reliable Service For A Wide Range Of Applications

- Sewage Basins
- Lift Stations
- Larger Sump Basins
- Septic Tanks
- Cisterns
- Solution Tanks
- Water Storage Tanks



Rolling Diaphragm Spring Assembly

5:1 Movement ratio on 18" switching range
10:1 Movement ratio on 42" switching range



Easily Serviceable

Durable nitrile diaphragm housed in threaded bottom housing

HYDROMATIC HPLC - Liquid Level Control

Details

Level Control Specifications

The complete level control system must be contained in a single nonmetallic assembly. The outer shell of the assembly shall be constructed of PVC with a minimum wall thickness of .200.

Liquid level sensing shall be accomplished by means of a reliable Zero Friction Rolling Diaphragm. The diaphragm shall be constructed of Nitrile[®]. Increases in the liquid level will exert more pressure on the rolling diaphragm causing the adjustable level switches to operate. The level switches shall be mounted on a switch track with a minimum of 20 easily adjustable set points. Each level switch contained in the assembly shall be rated a minimum of 5 amps @ 115 volts, and be of the SPDT configuration. The level switch track assembly shall be constructed of ABS. Access to the switch track shall require no tools. The liquid level to switch actuator travel ratio must be a minimum of 5 to 1.

The level switch assembly shall not contain any mercury, or bubbler tubes, and no cords or electrical components will be submerged. The level switch assembly shall operate within its own diameter and shall not be affected by turbulent conditions. Switches that require lateral movement will not be accepted.

Under normal operating conditions the level sensing diaphragm shall remain submerged to eliminate problems caused by grease buildup or floating debris. Mounting of the assembly shall be accomplished by means of a stainless steel bracket with thumbscrews to allow for overall height adjustment and ease of maintenance.

The complete assembly must be constructed so that level adjustments and normal maintenance procedures do not require any tools to complete.

Built to meet your requirements

CATALOG MODEL	BASIN DEPTH (FEET)	PRESSURE SWITCH LENGTH (INCHES)	SWITCH RANGE (INCHES)	SWITCHES		CORD LENGTH (FEET)*
				QUANTITY	AMP RATING (120 VAC)	

NARROW ANGLE

HPLC418	4'	40"	18"	4	5 AMP	10'
HPLC518	5'	52"	18"	4	5 AMP	10'
HPLC618	6'	64"	18"	4	5 AMP	10'
HPLC718	7'	76"	18"	4	5 AMP	10'
HPLC818	8'	88"	18"	4	5 AMP	10'
HPLC918	9'	100"	18"	4	5 AMP	10'
HPLC1018	10'	112"	18"	4	5 AMP	10'
HPLC442	4'	40"	42"	4	5 AMP	10'
HPLC542	5'	52"	42"	4	5 AMP	10'
HPLC642	6'	64"	42"	4	5 AMP	10'
HPLC742	7'	76"	42"	4	5 AMP	10'
HPLC842	8'	88"	42"	4	5 AMP	10'
HPLC942	9'	100"	42"	4	5 AMP	10'
HPLC1042	10'	112"	42"	4	5 AMP	10'

*NOTE: OPTIONAL CORD LENGTHS AVAILABLE ADD TO THE END OF THE CATALOG MODEL

-20 (20' CORD LENGTH)

-30 (30' CORD LENGTH)

-50 (50' CORD LENGTH)

ADDITIONAL SWITCHES AVAILABLE

N5 (5 AMP)



HYDROMATIC[®]

Pentair Water

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- Your Authorized Local Distributor -

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