

IC Pump Station Models



Model Number (*Specify PSI range)	Description	Applications	Starting Price * Add \$100 for each 0-25.0 PSI pressure transducer
ICPS 1A-XXX*	<p>IC Pump Station One Pump On/Off Operation</p> <ul style="list-style-type: none"> Adjustable low pressure on, high pressure off, and low pressure safety shutoff settings. Adjustable minimum on and off timers from 1-240 seconds. Hour meter and cycle counter that can be reset to zero Pressure sensor (transmitter/transducer) is included. Common ranges are 0-25.0, 0-100, and 0-250 PSI. 	<p>Low cost adjustable pressure switch with stabilization delays. Ideal placement for Mercoid switches. Often used for “floatless tank fill” operation. IC Pump Station literally “weighs” the water in the tank, determining the water level. IC Pump Station, with the correct pressure transmitter/transducer can measure pressures as little as 0.1 PSI (about 3 inches of water). Minimum on and off timers allow time for reduced wave action in tanks, allowing more accurate measurement.</p>	\$895.00*
ICPS 2A-XXX*	<p>IC Pump Station Two Pump On/Off Operation</p> <ul style="list-style-type: none"> Two pumps operating from a single pressure point. Each pump has adjustable low pressure on, high pressure off, and low pressure safety shut-off settings. Adjustable minimum on and off timers from 1-240 seconds. Hour meter and cycle counter that can be reset to zero. Pressure sensor (transmitter/transducer) is included and common ranges are 0-25.0, 0-100, and 0-250 PSI. 	<p>Same as ICPS 1A-XXX. Additional pump output allows one pump to do most of the work while the other one “cuts in” only when needed.</p>	\$995.00*

Model Number (*Specify PSI range)	Description	Applications	Starting Price * Add \$100 for each 0-25.0 PSI pressure transducer
ICPS 1A-XXX*/VFD	<p>IC Pump Station One Pump Variable Frequency Drive (VFD) Output</p> <ul style="list-style-type: none"> Designed to manage almost any VFD on the market today, the VFD output is a 4-20 mA signal along with a dry contact relay enable. ICPS provides a “low trigger on”, a “target” pressure, and a low pressure safety shut-off. When the system falls below the “low trigger on” level, the VFD turns on, after delays for stability. The ICPS control unit will speed up, slow down, or turn off it needed to adjust the speed of the pump motor, in order to maintain the desired pressure and rate of flow. 	<p>No programming needed. This unit is much simpler and easier to use when compared with other pump controls on the market. The ICPS provides superior control and monitoring of your VFDs. The display contains more information about pump operation, and allows fine-tuning to adjust for system variations.</p>	\$995.00*
ICPS 2A-XXX*/VFD	<p>IC Pump Station Two Pump, with one Variable Frequency Drive (VFD) Output and one On-Off Operation Output</p> <ul style="list-style-type: none"> Same as the ICPS 1A-XXX*/VFD, with the addition of an on-off pump output that operates independently from the same pressure point, with its own low pressure on and high pressure off settings. 	<p>The most common application for this model is to allow the addition of an on-off pump to reduce the size and cost of the Variable Speed controlled pump and other parts, such as surge tanks, with the net effect being a smooth running VFD operated system at close to the cost of an on-off system.</p>	\$1095.00*

Model Number (*Specify PSI range)	Description	Applications	Starting Price * Add \$100 for each 0-25.0 PSI pressure transducer
ICPS 2A-XXX*/ALTER	<p>IC Pump Station Two Pump Operation, with alternating outputs</p> <ul style="list-style-type: none"> • Same as the ICPS 2A-XXX* except that Pump 1 settings are used to turn the pump on and off, but the output alternates after each on-off cycle. • Example: Cycle 1: Pump 1 turns on and off. Cycle 2: Pump 2 turns on and off. Cycle 3: Pump 1 turns on and off, etc. 	Used primarily to distribute wear between both pumps on a two-pump system. Can be easily changed to single pump operation if one pump goes off-line	\$1495.00*
ICPS 2B-XXX-XXX*	<p>IC Pump Station Two Pump Operation with sensor operating each pump output independently</p> <ul style="list-style-type: none"> • Two pressure point with two output operation. • Two separate pressure transmitters/transducers are used, each controlling an output relay. • The transmitters/transducers can be separate ranges (Example: one pressure transducer could be 0-100 PSI, the other 0-25.0 PSI, and are calibrated separately. 	<p>You use the same pump to provide a higher pressure for one system, while providing a lower pressure for another. The output of one pump will “tee” and check valves would keep the pressure in one system from backing up into the other system.</p> <p>The function of this system eliminates the cost, complexity and additional energy required for booster pumps.</p> <p>This system maintains the desired water pressure in two separate lines fed from the same pump. In some areas water must go above and below the pump, resulting in higher than needed pressure below the pump and lower than needed pressure above the pump. The IC Pump Station control provides pressure only when needed, reducing energy requirements and eliminating costly pressure regulating valves. In this application, the ICPS 2B-XXX-XXX creates equitable water pressure.</p>	\$1495.00*



Model Number (*Specify PSI range)	Description	Applications	Starting Price * Add \$100 for each 0-25.0 PSI pressure transducer
ICPS 2B-XXX-XXX*/AIRLEV	<p>IC Pump Station Two Pump Operation with one Pressure Sensor operating the well pump and the other sensing air pressure</p> <ul style="list-style-type: none"> • The output operates the air compressor. • Same as the ICPS 2B-XXX-XXX*, except that the second output is connected to an air compressor. 	<p>A small air line from the compressor is fed down the well and secured to the pump. The water level can be determined at any time. When the water level in the well rises, the air pressure in the air line also rises. The IC Pump Station “captures” the air line pressure. The water level in the well is calculated using the air line pressure.</p>	<p>\$1695.00*</p>

IC Pump Station Options and Parts



Option	Description	Price
/SAFETY	Safety Shut-Off Output Relay turns on when the ICPS control goes into safety shut-off, and all pumps are turned off. This relay can be connected to a light, horn, or even interfaced to an auto-dialer to alter maintenance personnel that the pumping system has shut down.	\$200.00

Part	Description	Price
XDUC100	4-20 mA pressure transducer, 0-100 PSI; Full scale	\$390.00
XDUC250	4-20 mA pressure transducer, 0-250 PSI Full scale	\$390.00
XDUC25.0	4-20 mA pressure transducer, 0-25.0 PSI	\$490.00
RELAY7	7 amp DPDT interface dry contact relay, 12 VDC coil, and 10 foot connector cable	\$54.00
2CABLE	2-conductor cable for relay or pressure sensor connection. Sold by the foot.	\$.50 per foot

We pre-pay UPS or FedEx ground shipping charges on all pre-paid orders.

Naming Code Glossary:

ICPS= IC Pump Station **1**= 1 Pump **2**= 2 Pump **A**= Single Pressure Point **B**= Dual Pressure Point
-XXX= Pressure transducer full scale range in PSI (pounds per square inch)
/= Additional feature such as VFD (Variable Frequency Drive) output on pump 1, Float, Alternator, or Air Level Operation.