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DIGITAL CONTROL BOX







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Product data sheet

ACCESSORIES

<p>Slave controller</p> 	<p>Power supply: AC220V/AC230V Connection with RS 485 communication port . Long distance monitoring Wire communication distance:<1200meters Achievement of all the functions of the master control panel except parameter Calibration and adjusting .</p>
<p>Level Transmitter</p> 	<p>Power supply:0-5V DC Output 0.5-4.5V Analog Signal Measurement:0-20Kpa The transmitting distance is 10 meters Pressure Port:G 1/2 Temperature Tolerance:-40°C/125°C</p>
<p>Pressure Transmitter</p> 	<p>Power supply:0-5V DC Output 0.5-4.5V Analog Signal Measurement:0-2.5Mpa The transmitting distance is 10 meters Pressure Port: G 1/2 Temperature Tolerance:-40°C/125°C</p>
<p>Level Sensor</p> 	<p>Detect the level of fluids</p>

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Product data sheet

M521 / M531



SINGLE PUMP CONTROL PANEL
 MODEL: M521 / M531

General details																																												
Model	M521	M531																																										
Main technical data <ul style="list-style-type: none"> Start type Qty of controlled pump Rated input voltage Capacitor Rated output power 	<p>Direct on line Single pump</p> <p>AC220V/AC230V Single phase 50HZ/ 60HZ (For customization, please contact the manufacturer.)</p> <p>Reserved space for installing start capacitor 0.37kw-2.2kw (0.5hp-3hp)</p> <table border="1"> <thead> <tr> <th colspan="2">Max Motor Output at 220V 1Ph</th> <th rowspan="2">Pump Max Rated Current(A)</th> </tr> <tr> <th>HP</th> <th>KW</th> </tr> </thead> <tbody> <tr><td>0.5</td><td>0.37</td><td rowspan="6">10A</td></tr> <tr><td>0.75</td><td>0.55</td></tr> <tr><td>1.0</td><td>0.75</td></tr> <tr><td>1.5</td><td>1.1</td></tr> <tr><td>2.0</td><td>1.5</td></tr> <tr><td>3.0</td><td>2.2</td></tr> </tbody> </table>	Max Motor Output at 220V 1Ph		Pump Max Rated Current(A)	HP	KW	0.5	0.37	10A	0.75	0.55	1.0	0.75	1.5	1.1	2.0	1.5	3.0	2.2	<p>AC380V /AC400V Three phase 50HZ/ 60HZ (For customization, please contact the manufacturer.)</p> <p>0. 75kw-4kw (1 hp-5. 5hp) 5. 5kw-7.5kw (7. 5hp-10hp)</p> <table border="1"> <thead> <tr> <th colspan="2">Max Motor Output at 380V 3Ph</th> <th rowspan="2">Pump Max Rated Current(A)</th> </tr> <tr> <th>HP</th> <th>KW</th> </tr> </thead> <tbody> <tr><td>1.0</td><td>0.75</td><td rowspan="6">12A</td></tr> <tr><td>1.5</td><td>1.1</td></tr> <tr><td>2.0</td><td>1.5</td></tr> <tr><td>3.0</td><td>2.2</td></tr> <tr><td>5.0</td><td>3.0</td><td rowspan="3">18A</td></tr> <tr><td>5.5</td><td>4</td></tr> <tr><td>7.5</td><td>5.5</td></tr> <tr><td>10.0</td><td>7.5</td><td></td></tr> </tbody> </table>	Max Motor Output at 380V 3Ph		Pump Max Rated Current(A)	HP	KW	1.0	0.75	12A	1.5	1.1	2.0	1.5	3.0	2.2	5.0	3.0	18A	5.5	4	7.5	5.5	10.0	7.5	
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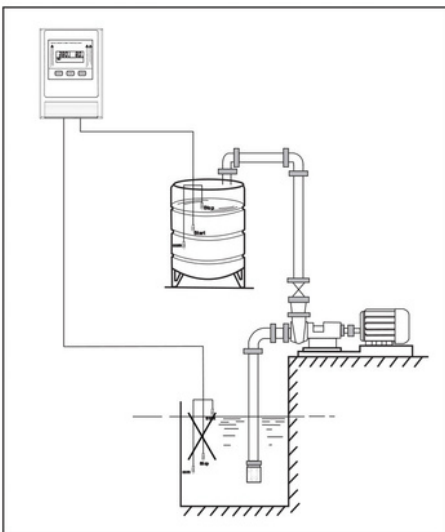
Product data sheet

M521 / M531

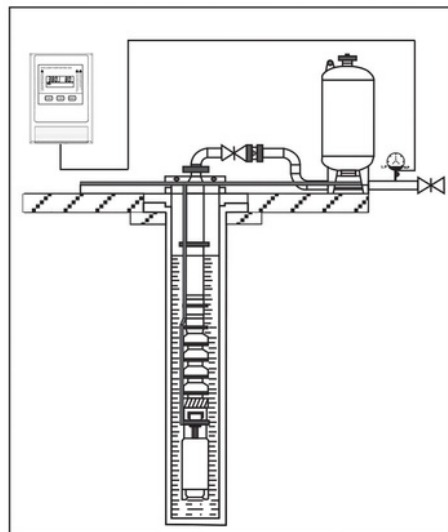
General details	
Application & Control characteristic	Control and protect universal pump Using liquid probe ,float switch or pressure switch to control pump start and stop Applied for water supply by liquid level control through float switch or liquid probe Applied for water supply by pressure control through pressure switch and pressure tank Applied for drainage by liquid level control through float switch or liquid probe
Other features	Push button calibration Memory function when power off & recovery Pump last five faults record displaying Pump accumulative running time displaying LCD screen displaying pump running status
Main installation data	<ul style="list-style-type: none"> Working temperature -25°C-- +55°C Working humidity 20%--90%RH, no drips concreted Degree of protection IP22 Install position Wall mounting Unit dimension (L x W x H) 228× 160× 73mm

Typical Application Example

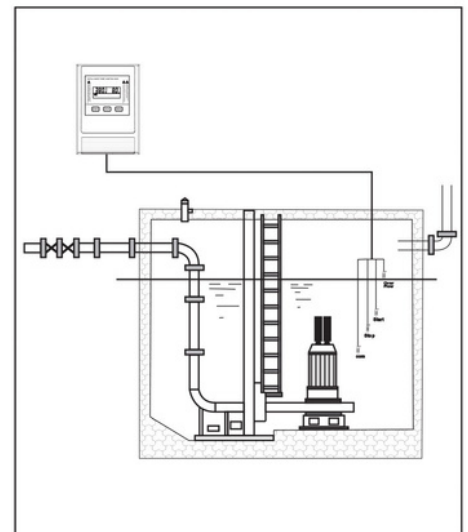
Water Supply



Booster



Drainage



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Product data sheet

M921 / M931



SINGLE PUMP CONTROL PANEL
 MODEL: M921 / M931

General details																																																	
Model	M921	M931																																															
Main technical data	Direct on line Single pump																																																
<ul style="list-style-type: none"> Start type Qty of controlled pump Protection method Rated input voltage 	Real motor output power (watts) by power factor AC220V/AC230V Single phase 50HZ/ 60HZ (For customization, please contact the manufacturer.) Reserved space for installing start capacitor 0.37kw-2.2kw (0.5hp-3hp)	Real motor running ampere AC380V/AC400V Three phase 50HZ/ 60HZ (For customization, please contact the manufacturer.) 0.75kw-4kw (1 hp-5.5hp) 5.5kw-11kw (7.5hp-15hp) 15kw (20hp)																																															
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Product data sheet

M921 / M931

General details

Application & Control characteristic

Control and protect universal pump
 Using liquid probe ,float switch or pressure switch or level/pressure transmitter to control pump start and stop
 Applied for water supply by liquid level control through float switch or liquid probe
 Applied for water supply by pressure control through pressure switch and pressure tank
 Applied for drainage by liquid level control through float switch or liquid probe
 Applied for drainage by level transmitter
 Applied for water supply by pressure transmitter
 Applied for water supply by level transmitter

Other features

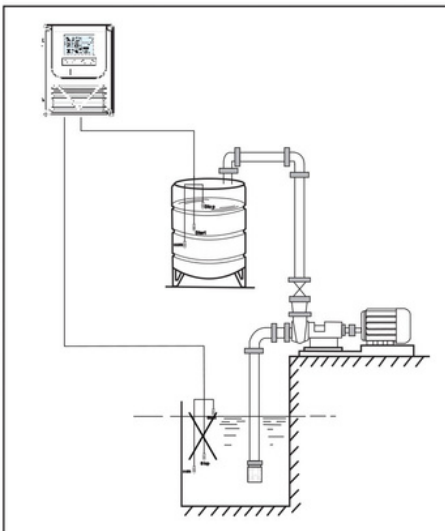
Pump last five faults record displaying
 Pump accumulative running time displaying
 Pump shaft anti-rust
 LCD screen locked function under auto state
 Present RS485 port
 LCD screen displaying pump running status

Main installation data

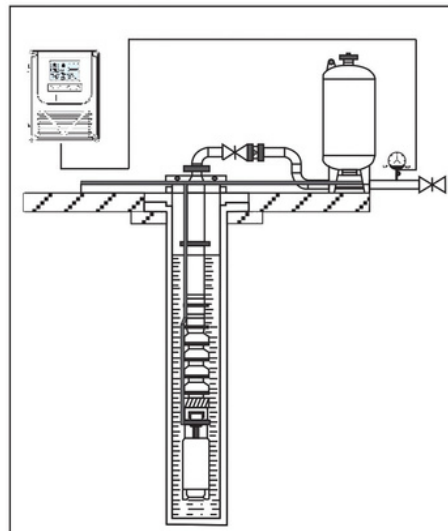
- Working temperature -25°C-- +55°C
- Working humidity 20%--90%RH, no drips concreted
- Degree of protection IP54
- Install position Wall mounting
- Unit dimension (L x W x H) 250× 197× 114mm

Typical Application Example

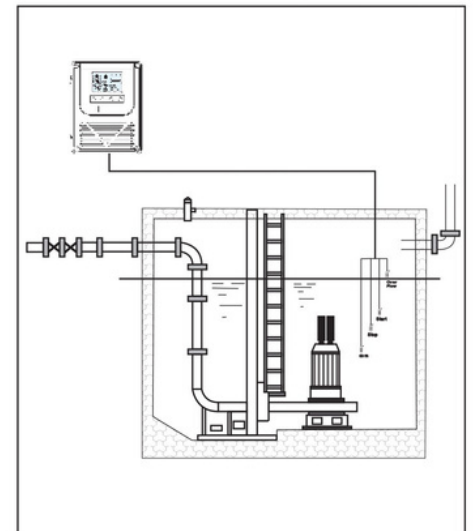
Water Supply



Booster



Drainage



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Product data sheet

L921 / L931



SINGLE PUMP CONTROL PANEL
 MODEL: L921 / L931

General details

Model	L921	L931																																																			
Main technical data	Direct on line Single pump																																																				
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Product data sheet

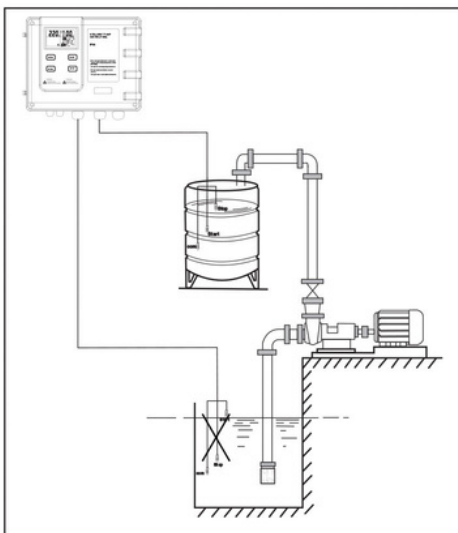
L921 / L931

General details

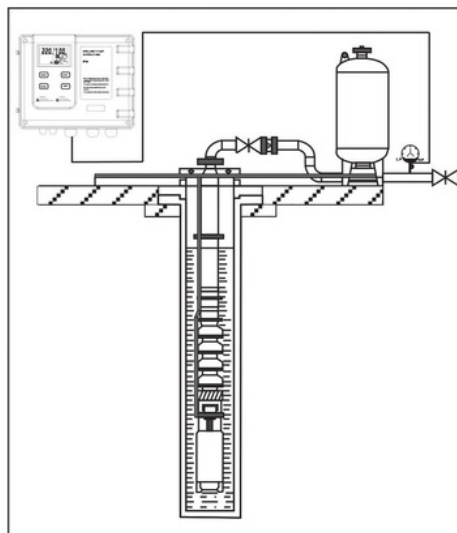
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<p>Other features</p>	<p>Pump last five faults record displaying Pump accumulative running time displaying Pump shaft anti-rust Present one dry contact point (BA port) Present RS485 port Present user remote monitor LCD screen locked function under auto state LCD screen displaying pump running status Push button calibration</p>
<p>Main installation data</p> <ul style="list-style-type: none"> • Working temperature • Working humidity • Degree of protection • Install position • Unit dimension (L x W x H) 	<p>-25°C-- +55°C 20%--90%RH, no drips concreted IP54 Wall mounting 310× 220× 120mm</p>

Typical Application Example

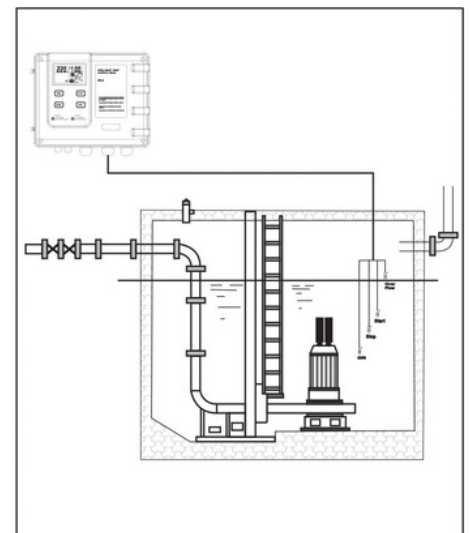
Water Supply



Booster



Drainage



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Product data sheet

L922 / L932



DUPLEX PUMP CONTROL PANEL
 MODEL: L922 / L932

General details

Model	L922	L932																																																			
Main technical data	Direct on line Duplex pump																																																				
<ul style="list-style-type: none"> Start type Qty of controlled pump Rated input voltage Rated output power 	AC220V/AC230V Single phase 50HZ/ 60HZ (For customization, please contact the manufacturer.) 0.37kw-2.2kw (0.5hp-3hp) 3-4kw(4-5.5hp)	AC380V/AC400 Three phase 50HZ/ 60HZ (For customization, please contact the manufacturer.) 0.75kw-4kw (1 hp-5.5hp) 5.5kw-11kw (7.5hp-15hp) 15kw(20hp)																																																			
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Product data sheet

L922 / L932

General details

Application

Control and protect universal pump
Using liquid probe ,float switch or pressure switch to control pump start and stop
Applied for water supply by liquid level control through float switch or liquid probe
Applied for water supply by pressure control through pressure switch and pressure tank
Applied for drainage by liquid level control through float switch or liquid probe

Control characteristic

Duplex pump control
Built- in function switch for water transfer ,booster and sewage lifting (drainage)
.Main pump / standby pump automatically alternate
.Main pump / standby pump automatically switch against malfunction
.Standby pump participates running if required

Other features

Pump last five faults record displaying
Pump accumulative running time displaying
Pump shaft anti-rust
Present one dry contact point (BA port)
Present RS485 port
Present user remote monitor
LCD screen locked function under auto state
Push button calibration
LCD screen displaying pump running status

Main installation data

- Working temperature -25°C-- +55°C
- Working humidity 20%--90%RH, no drips concreated
- Degree of protection IP54
- Install position Wall mounting
- Unit dimension (L x W x H) 310× 220× 120mm

HS SMART DIGITAL CONTROL BOX



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Product data sheet

L921-B / L931-B



PRESSURE BOOSTING TYPE OF PUMP CONTROL PANEL
 MODEL: L921-B / L931-B

General details

Application	Control & protect booster pump only																																																				
Model	L921-B	L931-B																																																			
Main technical data	<p>Direct on line Single pump</p> <p>AC220V/AC230V Single phase 50HZ/ 60HZ (For customization, please contact the manufacturer.)</p> <p>AC380V/AC400V Three phase 50HZ/ 60HZ (For customization, please contact the manufacturer.)</p> <p>0.37kw-2.2kw (0.5hp-3hp) 3-4kw(4-5.5hp)</p> <p>0.75kw-4kw (1 hp-5.5hp) 5.5kw-11kw (7.5hp-15hp) 15kw(20hp)</p>																																																				
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Product data sheet

L921-B / L931-B

General details

Application & Control characteristic

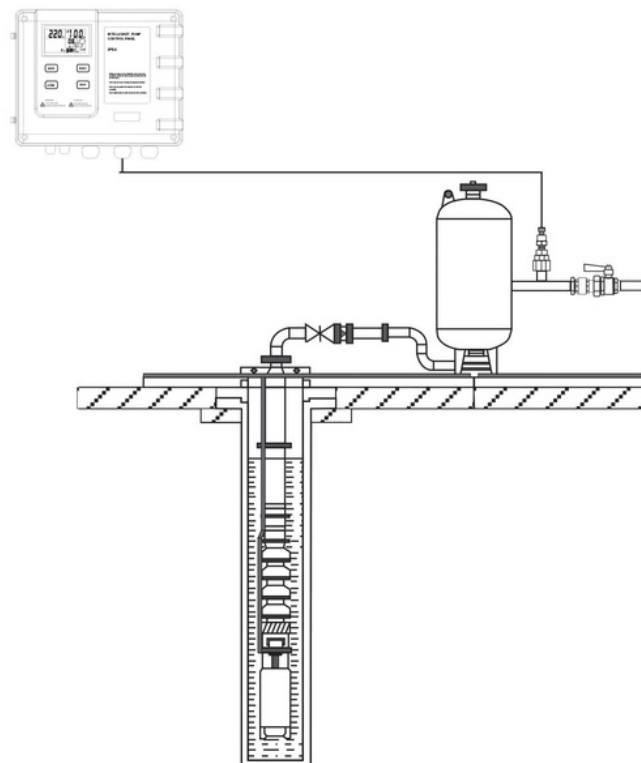
Connecting 0.5-4.5V pressure transmitter to replace pressure switch
Pump start and stop according to different pressure value setting

Other features

LCD screen displaying dynamic real time pressure value
Pump start and stop pressure value can be easily set on the LCD screen
Pump accumulative running time displaying
Pump last five faults record displaying
Present one dry contact point (BA port)
Present RS485 port
Present user remote monitor
LCD screen locked function under auto state
Push button calibration
LCD screen displaying pump running status

Main installation data

- Working temperature -25°C-- +55°C
- Working humidity 20%--90%RH, no drips concentered
- Degree of protection IP54
- Install position Wall mounting
- Unit dimension (L x W x H) 310× 220× 120mm



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Product data sheet

L922-B / L932-B



DUPLEX PUMP CONTROL PANEL
 MODEL: L922-B / L932-B

Eliminate the need for at least 2 pressure switches or pressure gauges. Thus significant cost-savings result from dramatically reduced purchasing and clearing of pressure switch or pressure gauge.

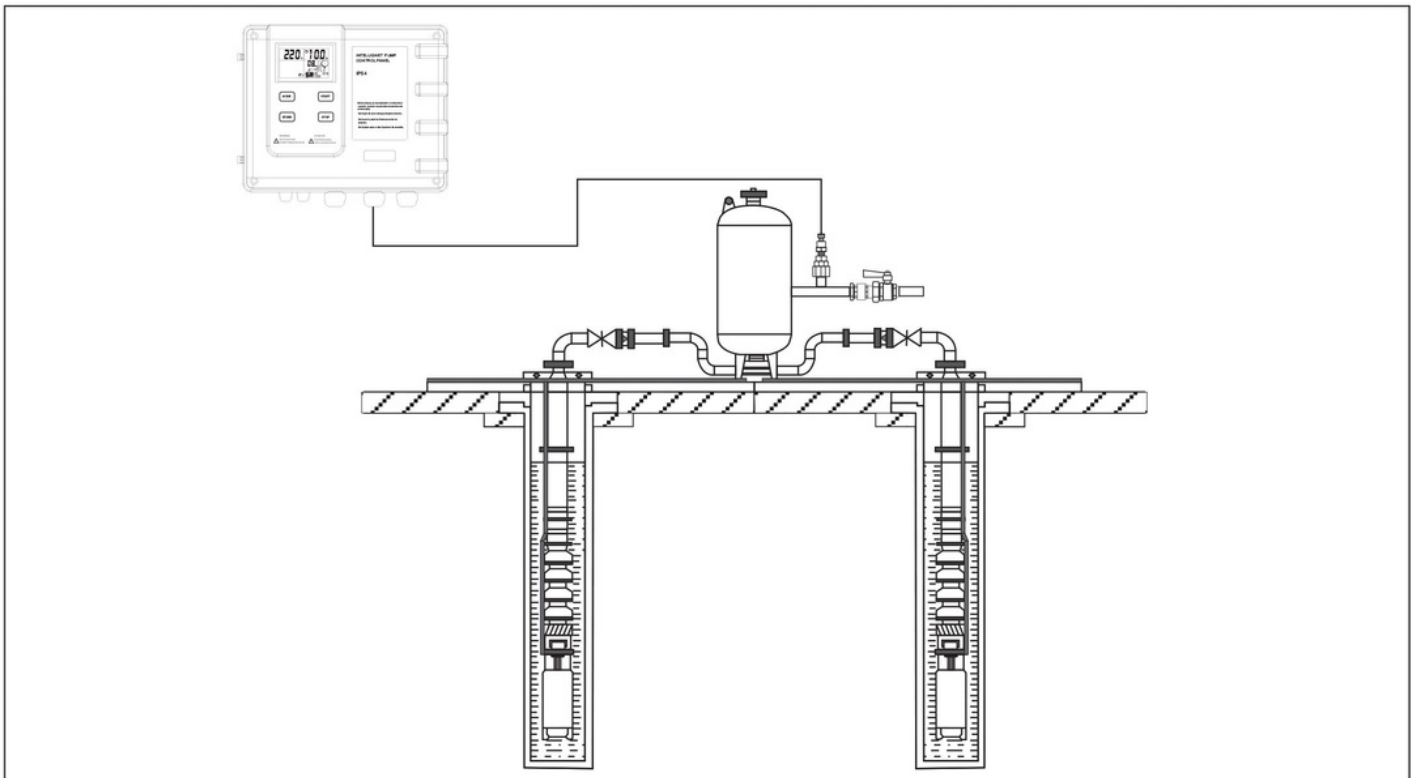
More secure because it uses pressure transmitter, whereas pressure switch or pressure gauge often fails because of mechanical failure.

Different pressure value for starting or stopping the pumps can be set via LCD screen directly and real time pressure value displaying.

General details																																																					
Application	Control & protect booster pump only																																																				
Model	L922-B	L932-B																																																			
Main technical data	Direct on line Duplex pump																																																				
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General details

<p>Control characteristic</p>	<p>Connecting 0.5-4.5V pressure transmitter to replace pressure switch Duplex pump control .Main pump / standby pump automatically alternate .Main pump / standby pump automatically switch against malfunction .Standby pump participates running if required</p>
<p>Other features</p>	<p>LCD screen displaying dynamic real time pressure value & pump running status Pump accumulative running time displaying Pump last five faults record displaying Present one dry contact point (BA port) Present RS485 port Present user remote monitor LCD screen locked function under auto state Push button calibration LCD screen displaying pump running status</p>
<p>Main installation data</p> <ul style="list-style-type: none"> • Working temperature • Working humidity • Degree of protection • Install position • Unit dimension (L x W x H) 	<p>-25°C-- +55°C 20%--90%RH, no drips concreted IP54 Wall mounting 310× 220× 120mm</p>



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Product data sheet

L922-S / L932-S



DUPLEX PUMP CONTROL PANEL
 MODEL: L922-S / L932-S

Eliminate the need for at least 5 water level sensors or 3 float switches: stop-level, normal-level for one pump, high-level for two pumps, overflow-alarm level. Thus significant cost-savings result from dramatically reduced purchasing and clearing of sensor or float switch.

More secure because it uses level transmitter, whereas sensors or float switch often fails because of the effect of sludge.

Different water levels (depth) for starting or stopping the pumps can be set via LCD screen directly and real time depth value displaying.

General details

Application	Control & protect sewage / drainage pump only																																																				
Model	L922-S	L932-S																																																			
Main technical data	<p>Direct on line Duplex pump</p> <p>AC220V/AC230V Single phase 50HZ/ 60HZ (For customization, please contact the manufacturer.)</p> <p>AC380V/AC400 Three phase 50HZ/ 60HZ (For customization, please contact the manufacturer.)</p>																																																				
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Product data sheet

L922-S / L932-S

General details

Control characteristic

Connecting 0.5-4.5V level transmitter to replace float switch or level probe
Duplex pump control
.Main pump / standby pump automatically alternate
.Main pump / standby pump automatically switch against malfunction
.Standby pump participates running if required

Other features

LCD screen displaying dynamic real time depth & pump running status
Pump shaft anti-rust
Pump accumulative running time displaying
Pump last five faults recording displaying
Present one dry contact point (BA port)
Present RS485 port
Present user remote monitor
LCD screen locked function under auto state
Push button calibration
LCD screen displaying pump running status

Main installation data

- Working temperature -25°C-- +55°C
- Working humidity 20%--90%RH, no drips concreted
- Degree of protection IP54
- Install position Wall mounting
- Unit dimension (L x W x H) 310× 220× 120mm

