WHITE
INTERNATIONAL

Automatic Restart Pump Controllers

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Automatic Restart Pump Controllers

WHI-SK10PPHS2, WHI-SK20PPHS2, WHI-SK10AXHS2

The White International controllers are devices used to control electric 240V pumps of 1.5kW or less.
The controller monitors both the **pressure** and the **flow.** It **controls the operation** of the pump automatically. Because of its design, there is no need for a separate pressure (expansion) tank, nor is there any need to adjust start and stop pressures as per traditional pressure switches.
The unit will **protect** the pump should the water supply fail (due to blockage in the pipe or tank running dry) and will automatically restart normal operation once water is restored.

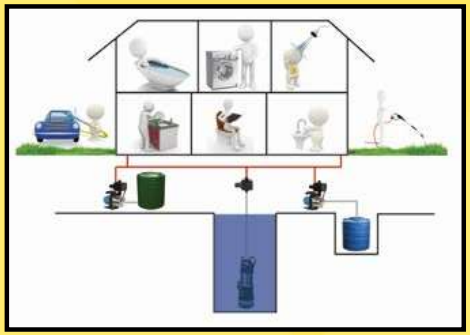
IEC lead

3 pin socket

Features and Benefits

- Starts and stops the pump automatically when the tap is open or closed. This means the pump does not need to be turned off manually.
- Maintains a constant pressure from the pump during operation resulting in a reliable water supply.
- Automatically stops the pump in the situation of no flow (due to inlet pump blockage) and will automatically resume normal operation once the blockage is removed.
- Automatically restarts the pump in the event of power failure. This gives the homeowner peace of mind that the unit will continue to operate even if they are away for a long period of time.
- The controller eliminates pressure fluctuations at flows as low as 1L/min.
- Plug and play leads (IEC type) are installed on the controller so that a licensed electrician is not required to replace the controller (WHI-SK10PPHS2, WHI-SK20PPHS2 only). WHI-SK10AXHS2 comes with an approved 3 pin socket lead.
- The controller incorporates an inbuilt pressure gauge to enable the homeowner to monitor the system pressure without the need of a separate inline pressure gauge. The pressure gauge can also diagnose nuisance upstream water leads.
- Drinking water AS/NZS4020 approved in Australia and New Zealand.

DOMESTIC PRESSURE SYSTEM



Automatic Restart Pump Controllers

WHI-SK10PPHS2, WHI-SK20PPHS2, WHI-SK10AXHS2

Technical Specification

Construction Characteristics	
Inlet	1" BSP male
Outlet	1" BSP male
Built in non-return valve	
No flow/loss of prime protection	
Manual start switch (RESET)	
Voltage LED (GREEN power on light)	
Pump working LED (ORANGE pump on light)	
No flow LED (RED failure light)	
1.5 metre lead and 3 pin Australian/New Zealand plug	
0.6 metre pump power lead, plug and play	
Inbuilt 10 bar pressure gauge	

Technical Information		
Voltage	220V (-6%) / 240V (+6%)	
Maximum Current	16(8) Amps	
Maximum kW	1.5kW	
Frequency	50Hz	
Ingress Protection	IP65	
Maximum Water Temperature	60 deg C.	
Starting Pressure	WHI-SK10PPHS2 WHI-SK20PPHS2 WHI-SK10AXHS2	1.5 bar 2.2 bar 1.5 bar
Recommended Minimum Pump Pressure Required	WHI-SK10PPHS2 WHI-SK20PPHS2 WHI-SK10AXHS2	3.0 bar 4.0 bar 3.0 bar
Maximum Working Pressure	10 bar	
Minimum Flow	1.0 l/m	
AS/NZS4020 Certified		
Plug and Play Lead	WHI-SK10PPHS2 WHI-SK20PPHS2 WHI-SK10AXHS2	IEC type IEC type 3 pin socket

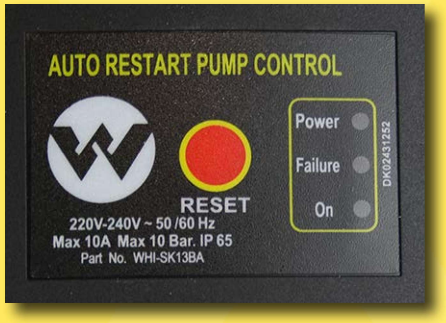
Pump is Approved for Drinking Water
AS/NZS 4020
Distributed by White International

Automatic Restart Pump Controllers
WHI-SK13BA

The White International WHI-SK13BA is a device used to **control** electric 240V pumps of 1.5kW or less. The controller **monitors** both the **pressure** and the **flow.** It **controls the operation** of the pump automatically. Because of its design, there is no need for a separate pressure (expansion) tank, nor is there any need to adjust start and stop pressures like traditional pressure switches.

The unit will **protect** the pump should the water supply fail (due to a blockage in the pipe or tank running dry) and will automatically restart normal operation once water is restored.

Controller comes with adjustable cut in (start) pressure of between 1.5-3.0 bar to improve system efficiency.



Features and Benefits

- Starts and stops the pump automatically when the tap is open or closed. This means the pump does not need to turned off manually.
- Maintains a constant pressure from the pump during operation resulting in a reliable water supply.
- Automatically stops the pump in the situation of no flow (due to inlet pump blockage) and will automatically resume normal operation once the blockage is removed.
- Automatically restarts the pump in the event of power failure. This gives the homeowner peace of mind that the unit will continue to operate even if they are away for a long period of time
- The controller eliminates pressure fluctuations at flows as low as 1L/min.
- Australian and New Zealand approved three pin socket lead installed on the controller so that a licensed electrician is not required to replace the controller if required.
- Side discharge outlet to aid installation
- Drinking water AS/NZS4020 Approved in Australia and New Zealand.

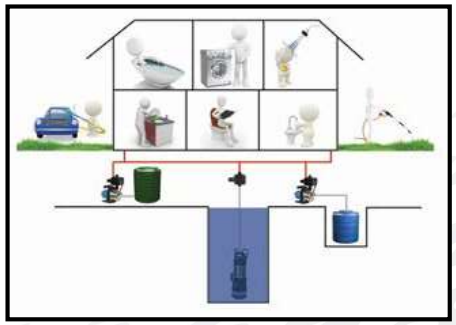
Automatic Restart Pump Controllers
WHI-SK13BA

Technical Specification

Construction Characteristics	
Inlet	1" BSP male
Outlet	1" BSP male
Built in non-return valve	
No flow/loss of prime protection	
Manual start switch (RESET)	
Voltage LED (GREEN power on light)	
Pump working LED (ORANGE pump on light)	
No flow LED (RED failure light)	
1.5 metre lead and 3 pin Australian/New Zealand plug	
0.6 metre pump power lead, plug and play	
Adjustable cut in (start) pressure	
Inbuilt 10 bar pressure gauge	

Technical Information	
Voltage	220V (-6%) / 240V (+6%)
Maximum Current	16(8) Amps
Maximum kW	1.5kW
Frequency	50Hz
Ingress Protection	IP65
Maximum Water Temperature	60 deg C.
Starting Pressure	1.5 - 3.0 bar
Recommended Minimum Pump Pressure Required	3.0 bar
Maximum Working Pressure	10 bar
Minimum Flow	1.0 l/m
AS/NZS4020 Certified	

DOMESTIC PRESSURE SYSTEM



Pump is Approved for Drinking Water
AS/NZS 4020
Distributed by White International

Intelligent Controllers
BIA-iPRESS

The BIA-iPRESS is a device used to **control** electric 240V pumps of 2.2kW or less. The controller **monitors** both the **pressure** and the **flow**. It **controls the operation** of the pump automatically. Because of its design, there is no need for a separate pressure (expansion) tank.

The unit will **protect** the pump should the water supply fail (due to a blockage in the pipe or tank running dry) and will automatically restart normal operation once water is restored.

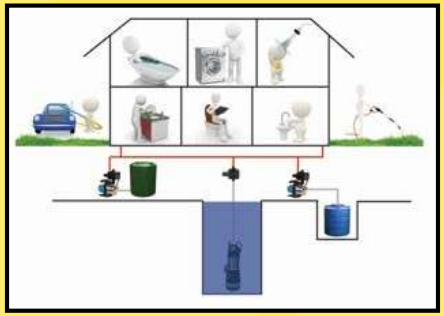
The iPRESS is the **first electric pump** controller with a fully adjustable cut in (start) pressure of between 0.5-6.0 bar and a cut out (stop) pressure of between 0.8-9.8 bar. The iPRESS has the ability to operate as either a standard auto restart pressure controller (start pressure to be set) or an automatic restart loss of prime pressure switch (start and stop pressure to be set). The iPRESS enables the homeowner **full control** of the pressure system.

The new iPRESS controller combines the advantages of both a standard pressure switch and a typical electronic automatic restart controller

Features and Benefits

- Starts and stops the pump automatically when the tap is open or closed. This means the pump does not need to be turned manually.
- Maintains a constant pressure from the pump resulting in a reliable water supply.
- Automatically stops the pump in the situation of no flow (due to inlet pump blockage) and will automatically resume normal operation once the blockage is removed.
- Automatically restarts the pump in the event of power failure. This gives the homeowner peace of mind that the unit will continue to operate even if they are away for a long period of time.
- The controller eliminates pressure fluctuations at flows as low as 0.5L/min.
- Plug and play leads (IEC type) installed on the controller so that a licensed electrician is not required to replace the controller.
- Change between Mode 1 (set cut in pressure only) and Mode 2 (set cut in and cut out pressure) via a single button push.
- Real time indication of system pressure displayed so a separate in line pressure gauge is not required.

DOMESTIC PRESSURE SYSTEM



*Note: A pressure tank is required when both cut in and cut out pressures are set. For operation where a pressure tank is required, precharge pressure should be set at 65% of the maximum system pressure

Intelligent Controllers
BIA-iPRESS

	Pressure Switch (BIA-SK6)	Automatic restart controller (WHI-SK10PPHS2)	iPRESS
Both cut in and cut out pressure can be set by the operator	✓	X	✓
A pressure tank in your system is optional	X	✓	✓
A non return valve in your system is optional	X	✓	✓
The unit automatically restarts if the power is restored (e.g. after a blackout)	✓	✓	✓
The unit automatically restarts when the water supply is restored	X	✓	✓
The unit has run-dry protection	X	✓	✓
The unit has built in protection for the motor from starting and stopping too frequently	X	X	✓
The unit comes standard with plug and play leads for ease of installation	X	✓	✓
The unit indicates when it is in run dry status	X	✓	✓
The unit gives the operator the option for adjusting both the cut in and cut out pressures like a typical pressure switch, or just the cut in pressure	X	X	✓

Technical Specification

Construction Characteristics	
Inlet	1" BSP male
Outlet	1" BSP male
Non-return valve	
No flow/loss of prime protection	
Manual start switch (RESET)	
Voltage LED (GREEN power on light)	
Mode 1, mode 2, LED (RED pump run light)	
No flow LED (ORANGE status light)	
1.5 metre lead and 3 pin Australian/New Zealand plug	
0.6 metre pump power lead, plug and play	
Adjustable cut in (start) pressure	

Technical Information	
Voltage	220V (-6%) / 240V- (+6%)
Maximum current	20(16) Amps
Maximum kW	2.2
Frequency	50Hz
Ingress protection	IP65
Maximum water temperature	60 deg C.
Starting pressure	0.5 - 6.0 bar
Maximum working pressure	0.8 - 9.8 bar.
Minimum flow	0.5 l/m

Available from:

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