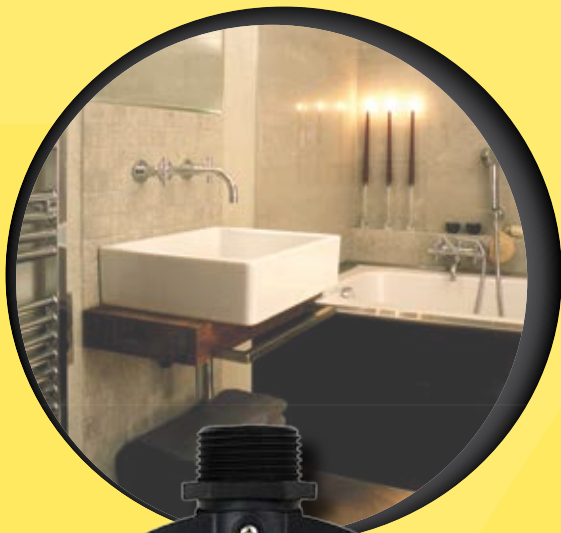




# Automatic Restart Pump Controllers



# WHITE INTERNATIONAL 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.

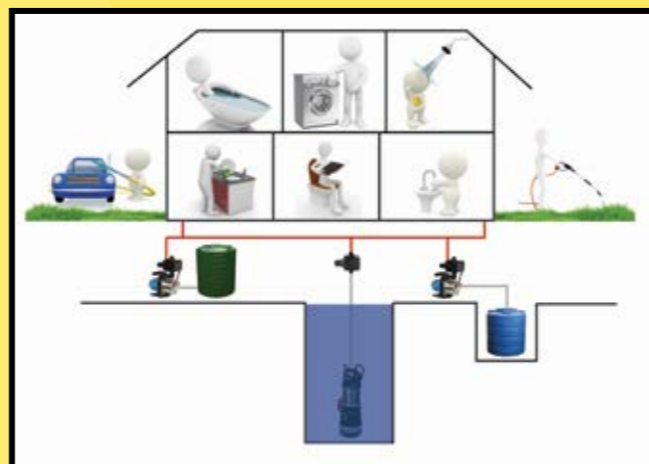
The unit will **protect** the pump should the water supply fail (due to blockage in the pipe or tank running dry) and will automatically restart normal operation once water is restored.



## 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



# WHITE INTERNATIONAL 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                                   | 1.5 bar                              |
|  | WHI-SK20PPHS2                                   | 2.2 bar                              |
|  | WHI-SK10AXHS2                                   | 1.5 bar                              |
| Recommended Minimum Pump Pressure Required | WHI-SK10PPHS2                                   | 3.0 bar                              |
|  | WHI-SK20PPHS2                                   | 4.0 bar                              |
|  | WHI-SK10AXHS2                                   | 3.0 bar                              |
| Maximum Working Pressure                   | 10 bar  |                                      |
| Minimum Flow                               | 1.0 l/m   |                                      |
| AS/NZS4020 Certified                       |   |                                      |
| Plug and Play Lead                         | WHI-SK10PPHS2<br>WHI-SK20PPHS2<br>WHI-SK10AXHS2 | IEC type<br>IEC type<br>3 pin socket |



# 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 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.
- 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.

# WHITE INTERNATIONAL Automatic Restart Pump Controllers



## WHI-SK13BA

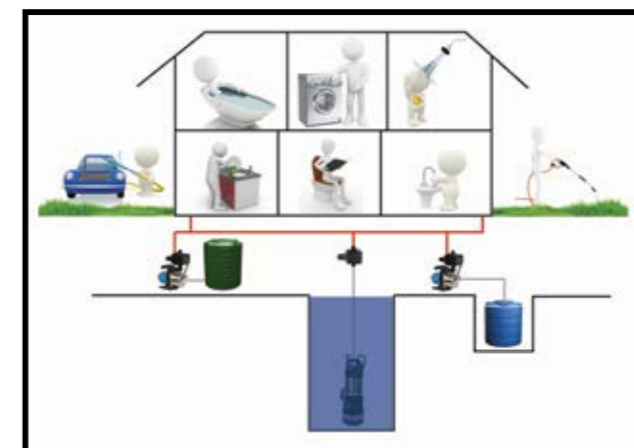
### Technical Specification

| 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



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.

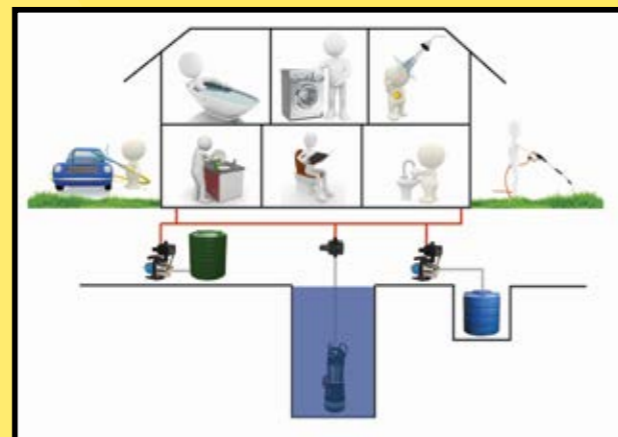
The new iPRESS controller combines the advantages of both a standard pressure switch and a typical electronic automatic restart controller



### 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



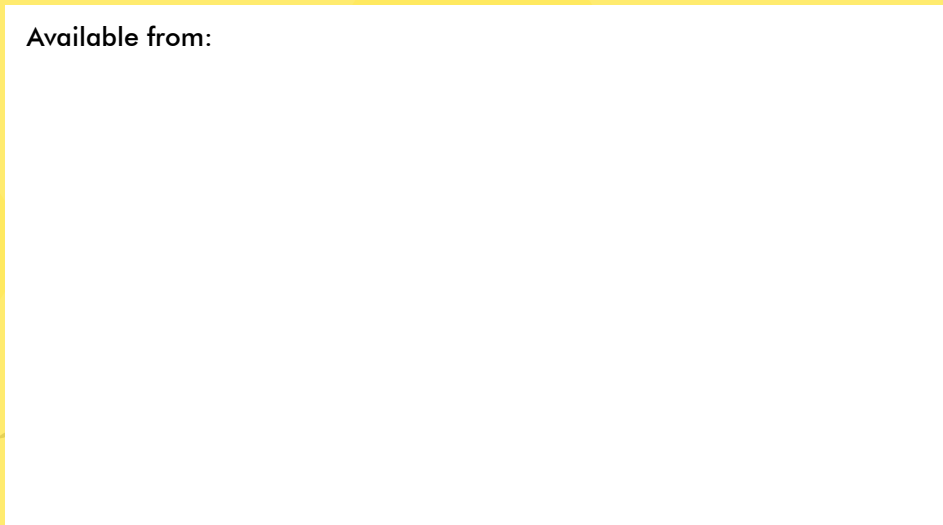
\*Note: A pressure tank is required when both cut in and cut out pressures are set. For operation where a pressure tank is required, precharge pressure should be set at 65% of the maximum system pressure

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

### Technical Specification

| Construction Characteristics                         |             | Technical Information     |                          |
|--|-------------|---------------------------|--------------------------|
| Inlet  | 1" BSP male | Voltage                   | 220V (-6%) / 240V- (+6%) |
| Outlet   | 1" BSP male | Maximum current           | 20(16) Amps              |
| Non-return valve                                     |             | Maximum kW                | 2.2                      |
| No flow/loss of prime protection                     |             | Frequency                 | 50Hz                     |
| Manual start switch (RESET)                          |             | Ingress protection        | IP65                     |
| Voltage LED (GREEN power on light)                   |             | Maximum water temperature | 60 deg C.                |
| Mode 1, mode 2, LED (RED pump run light)             |             | Starting pressure         | 0.5 - 6.0 bar            |
| No flow LED (ORANGE status light)                    |             | Maximum working pressure  | 0.8 - 9.8 bar.           |
| 1.5 metre lead and 3 pin Australian/New Zealand plug |             | Minimum flow              | 0.5 l/m                  |
| 0.6 metre pump power lead, plug and play             |             |                           |                          |
| Adjustable cut in (start) pressure                   |             |                           |                          |

Available from:



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