# Unique technical features

- 100% Solid State – No relays or mechanical movement.

- Power ON & OFF Switching occurs at the “Zero Crossing Volt” instant of the AC
  - Shock free switching
  - No electromagnetic or radiofrequency interference
  - Protection to starter capacitors

- The switching command from the low voltage logic circuit to the high voltage thyristors (the electronic switching devices) is done by an Infrared light beam.
  - Total isolation and protection of the electronics
  - Safety to handle

- Three Phase = 0.5 to 20 Amps 415 Volts - Single Phase = 0.5 to 30 Amps 240 Volts


## SALES 0044 1708 371584

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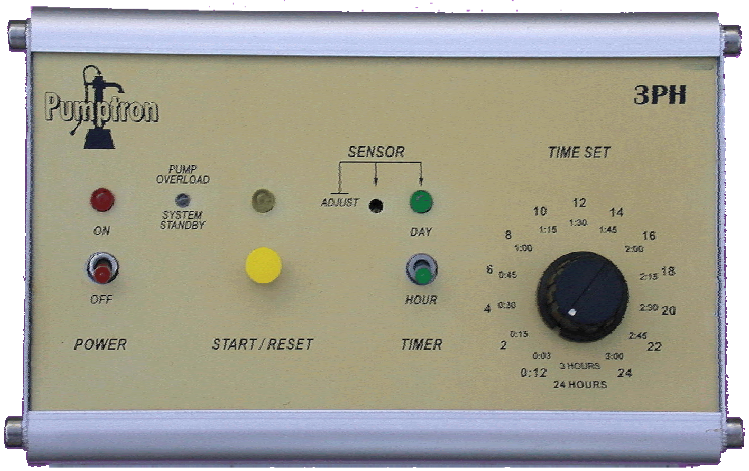
Pumptron



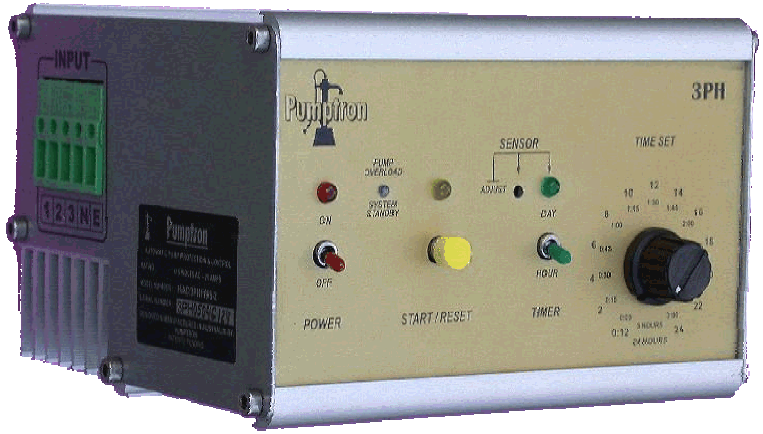

# Protection & Control for Submersible Pumps

# Pumptron The Intelligent Controller

# Protection & Control for Borewell Pumps

**Single and Three-phase models**

AUSTRALIAN MADE




# Highly Reliable
# State of the art electronics for the protection and control of Borewell pumps.

**Pumptron eliminates the need for probes to detect water levels, also flow valves and pressure valves to detect water flow, devices that are expensive and proven to be unreliable, consequently Pumptron significantly reduces the cost and simplifies the overall installation providing high reliability**

## Competing with “Quality” “Price” and “Technology”

| | |
|---|---|
| Easy to install | ➢ Connect mains power to the input and controlled power from the output to the pump.<br>➢ No probes into the bore or flow or pressure switches are required. |
| Easy to adjust | A little screw is turned clockwise until a green light turns ON indicating the pump is detected, controlled and protected. |
| Pumptron will Detect | ✓ Water in the bore.<br>✓ No water in the bore.<br>✓ Storage tank full (detecting switch required)<br>✓ Storage tank low or empty (detecting switch required)<br>✓ Iron oxide build-up.<br>✓ Water sediments build-up.<br>✓ Limit of lifting power versus depth.<br>✓ Mains surges.<br>✓ Mains voltage too high or too low. |
| Protection and Control | **Interrupts power if:**<br>• The bore runs out of water.<br>• Iron oxide or sediments are overloading the pump.<br>• Storage tank is full.<br>• Mains voltage is too high or too low.<br>• The pump reaches its maximum lifting capacity to pump water according to depth.<br>• The motor electrically leaks to ground.<br>• Any mechanical abnormality alters the normal load.<br>• One of the phases drops out – 3 phase model.<br>**The pump starts automatically:**<br>• After the water recovery timer lapses.<br>• After a power blackout.<br>• When the storage tank level lowers.<br>**Other**<br>• The pump can be started manually by pressing the reset button after switching the unit ON, however it will stop instantly if any abnormality is detected.<br>• Avoids unnecessary stops and starts due to power surges. This extends the pump’s life. |