

CONTROL PTY LTD UNIT14/62 OWEN ST GLENDENNING NSW 2761 A.B.N 54 131 353 636

Design & Manufacture of: Custom-built switchboards Electronic control equipment AC/DC pumping controls Installation & service
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INCA MODEL

PVS3A

VARIABLE SPEED DRIVE CONSTANT PRESSURE CONTROLLER

SETUP MANUAL Inca Reference PVS3

Software Version 1.8

Technical Support Electrical & Controls – Inca Control Pty Ltd Phone 02 9675 1381

1. PVS3 MAIN SCREEN OVERVIEW



Standard Panel Screen

2. DATA LOGGER

Data Logger Page



3. CONFIGURATION

3.1 Data Logger Page





Enter the 4 digit Pin No & press the enter key (return arrow) to move onto the parameter set up pages

The Virtual keypad will appear each time you need to enter a value as you move through the menu. Simply key in your value & press the enter key (return arrow) to accept the entry

3.2 Pressure Sensor Calibration

Sensor 100%, This is the 20mA output reading (sensor maximum) & is displayed in kpa

Low pressure On Enter the pressure at which you want the pumps to shut down at

Enter the time delay at which pressure must be below Low pressure on before pumps shutdown

High pressure On

Enter the pressure at which you want the pumps to shut down at

Enter the time delay at which pressure must be above Low pressure on before pumps shutdown

Touch on the Next Page button will take you to the next screen

3.3 Set Point

Boost pressure On/Off Enter a boost pressure higher than set point pressure say +10 to 20kpa. When selected on will make the controller boost the pressure higher every minute to force a pump shutdown on low flow

PRESSURE SENSOR CALIBRATION

Sensor 100%: 1000 kPa

LOW PRESSURE

Low Pressure Time: m 00:30 s

HIGH PRESSURE High Pressure On: 850 kPa

High Pressure Time: m 00:05 s

Low Pressure On: 150 kPa



2nd Standby Pump Stop Time Enter the delay time to turn off the 2nd standby pump once speed fall to pump stop minimum speed

Set Point Pressure

Enter the pressure at which you want the system to maintain

Duty Pump Stop Time

Enter the time delay you want for the pump set to go to sleep once the pump is down to pump stop minimum speed & maintaining pressure

Standby Pump Start Time

Enter the delay time when duty pump is running at full speed & requires the standby pump

Standby Pump Stop Time

Enter the delay time to turn off the standby pump once speed fall to pump stop minimum speed

2nd Standby Pump Start Time

Enter the delay time when duty pump is running at full speed & requires the 2nd standby pump

Touch the Next Page button will take you to the next screen

3.4 Pump Profile



Start Pressure

Enter the pressure at which you want the system to start at after being in sleep mode

Pump Stop Minimum Speed

Enter the speed in % of pump when run up against a closed head maintaining set point

Mains Water Control On

Touching on this button provide output to operate a Mains water Bypass solenoid (This is an Option)

PIN Password

You can change the PIN access number of the controller. If you are at this point you obviously have access, enter the new 4 digit PIN Number as required

Touch on the Next Page button will take you to the next screen

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Warranty Statement

The products manufactured by Inca Control Pty Ltd are guaranteed against faulty workmanship for a period of 12 months from the date of delivery.

Our obligation assumed under this guarantee is limited to the replacement of parts which, by our examination, are proved to be defective & have not been misused, carelessly handled, defaced or damaged. This guarantee is VOID where the product has been modified or repairs have been made or attempted by anyone except an authorised representative of Inca Control Pty Ltd.

Products for attention under guarantee (unless otherwise agreed) <u>must be returned to the factory at your</u> <u>expense</u> and, if accepted for free repair, will be returned to the customers address in Australia free of charge.

In addition to the above, equipment manufactured by Inca Control Pty Ltd and installed within the Sydney Metropolitan Area includes onsite replacement.

Equipment supplied by Inca Control Pty Ltd but manufactured by others is covered by their manufactures warranty only.

When returning the product for service or repair a full description of the fault must be given and the mode of operation used when the product failed. Also, the Inca reference must be supplied so we are able to determine if warranty is possible. If the Inca reference is not supplied the warranty claim will not be processed. A return form can be supplied on request when you have a product you want to return for warranty assessment.

Once a panel has been supplied, either off our standard product list or specially quoted, you accept the operating function as provided. Inca Control Pty Ltd will take NO responsibility for damage or incorrect operation once in service & it is up to you the customer to make sure operation is correct during your commissioning.

Any requests for modifications must be forwarded in writing and when agreed to by Inca Control Pty Ltd & installed, then become the responsibility of you the customer to confirm that operation is correct. Inca Control Pty Ltd will not accept responsibility for any damage or incorrect operation once commissioning has been carried out.

In any event, Inca Control Pty Ltd has no other obligation or liability beyond replacement or repair of this product.