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PID500 / PID330 QUICK START GUIDE

Follow these simple steps and you will get the PID500 / PID330 controller up and running in as short a time as possible. For more advanced settings please refer to the operating instruction manual supplied with the controller.

1. Unpack the unit and make the electrical connections – power supply, input sensor and output connections – refer to the connection diagram on the side of the unit

2. Switch on the power supply

3. Set the input sensor type:-

   (i) Press Δ and ∇ at the same time and hold for >3 seconds – the display will show LEVL 0

   (ii) Press Δ once – the red (upper) display will show INPt

   (iii) Hold the ☐ button and press Δ or ∇ to select the input type you are using

   Note: You have the following input options: Thermocouple type J, K, T, R, S, C, E, B, N, L, U, W, Platinell II; RTD:PT100; mV (-5 to 56mV); Voltage (0 to 10V); Current (4-20mA)

4. Press the Δ and ∇ buttons at the same time and hold for >3 seconds – the display will return to showing the process value and the set point

5. Set the set point:-

   (i) Press the O button – the green display should show SET 1

   (ii) If it does not, hold the O button and use the Δ or ∇ buttons to step through the options until the green display shows SET 1

   (iii) Hold the ☐ button and press the Δ or ∇ buttons to adjust the set point to the value you require

The controller will now control a heating (reverse acting) system to your required set point.

6. To automatically tune the controller to your system parameters:-

   (i) Hold the O button and press the Δ button until the green (lower) display shows TUNE

   (ii) Release the O button and the display will show OFF

   (iii) Hold the ☐ button and press the Δ button once, the display will show ON

   (iv) Hold the O button and press the ∇ button until the green display returns to SET 1

   (v) Release the O button and the green display will show the value of set point 1

The controller will now calculate the PID parameters appropriate for your system. This will improve the accuracy of the control so that the process temperature will be maintained as near as possible to the set point.