

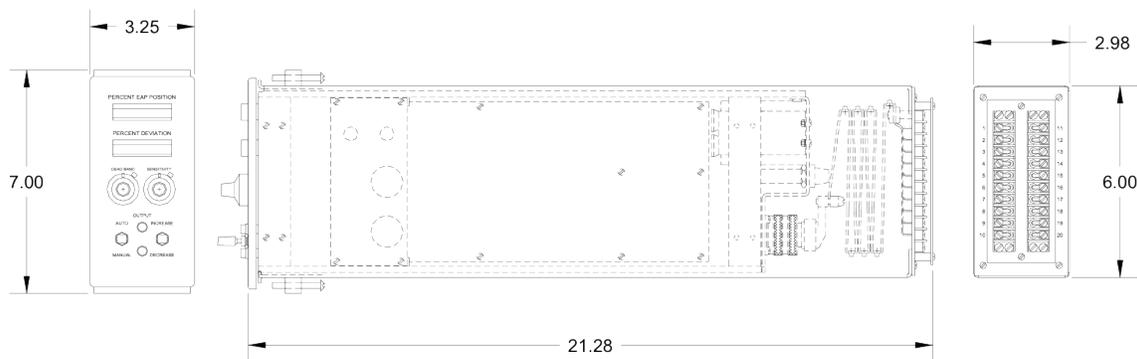
PID750 Process Controller

The PID750 Process Controller replaces the original G. W. DAHL Model C602B Control Unit.

The PID750 is a three-mode analog controller with two ac line voltage outputs intended to drive a reversible induction motor. This controller uses velocity (integral-base) control rather than positional control. The full-time control eliminates setpoint overshoot after setpoint or load change, and control can be switched between automatic and manual using a 'bumpless' and 'balanceless' transfer switch.



PID750



SPECIFICATIONS

Power Requirements:	105 to 130 Vac, 50/60 Hz, 780 VA
Input:	0 to 10 Vdc, 1 to 5 mA dc, 4 to 20 mA dc, and 10 to 50 mA dc
Output:	Two ac outputs provide for alternately energized AC loads or for a single split-phase, reversible motor Voltage and frequency are the same as the ac power line. Fused for 6 A
Sampling Sensitivity (Gain):	Effective gain adjustable from 0 to 100
Sampling Rate (Integral):	Adjustable from 3 to 450 samples per minute
Derivative Time:	Adjustable from 0 to 200 seconds. No derivative response for set-point changes Active derivative filter
Ambient Temperature:	35 °F to 122 °F (2 °C to 50 °C) (normal operation) 122 °F to 135 °F (50 °C to 57 °C) (abnormal operation for 200 hours) -40° to 175°F (-40 °C to 80 °C) (storage)
Temperature Effects:	The 32 °F to 120 °F specification is the temperature range over which the measured dc accuracy of the of the input circuits, from transmitter and remote inputs to the controller comparator input, do not exceed 1% of span (Accuracy includes all terms such as drift, linearity, etc.)

NUSI 500 Series

Process Controller

HOW TO ORDER

The part number and configuration typically should be specified as follows:

Example: **PIDA750/1/2/3**

(The example specifies a controller with a 65 Vdc power supply, variable lead circuit, and a sampling rate of 6 to 450 samples per minute.)

PIDA750/n “n” options can be added to the base model number as follows:

/1 = PID750 Controller with 65 Vdc power supply

/2 = PID750 Controller with fixed and variable lead circuit

/3 = PID750 Controller 6 to 450 samples per minute sample rate

/4 = PID750 Controller with Remote Meter

The PID750 includes an outer enclosure assembly.

To order the outer enclosure separately, use part number **NUS-A010PA-2**, Outer Enclosure (alone).

CONTACT INFORMATION:

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