

# PCON-C

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## UNIVERSAL INPUT CONTROLLER

# PEPL

The Universal Input Controller is  $\mu$ C based indigenous development by our R&D dept. This offers the highest system reliability & software function capabilities.

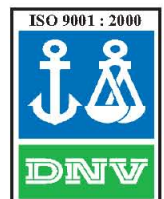
**$\mu$ C BASED**



### Features :-

- ✓ Universal input.
- ✓ Upto three set point. Each set point have separate hysteresis.
- ✓ Visual indication by a separate LED for each set point.
- ✓ Dual display (Process value & Set point).
- ✓ 24 VDC auxiliary supply for transmitter (Optional).
- ✓ Auto calibration (No trimpots).
- ✓ Sealed membrane keyboard/soft touch button.
- ✓ Data lock facility through switch at rear side.

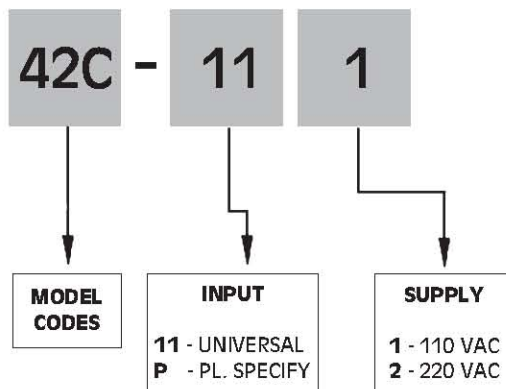
# Pyrotech



## SPECIFICATIONS

<b>Model No.</b>	42C-11...	<b>ACJC</b>	Data lock facility thru. switch at rear side for external lock.
<b>Type</b>	Universal input.	<b>Calibration</b>	Provided for T/C.
<b>Input</b>	Universal T/C : E, J, K, T, B, R, S. RTD : Pt-100. mA : 4-20 mA. Volt : 0-5 VDC / 1-5 VDC.	<b>Burn out protection</b>	Zero and span are adjustable thru. front panel keys, No trimpots.
<b>Range : T/C</b>	E : -200 to 1000°C. J : -200 to 760°C. K : -200 to 1350°C. T : -200 to 400°C. B : 450 to 1750°C. R : 0 to 1750°C. S : 0 to 1750°C.	<b>Linearity</b>	Up scale.
<b>RTD, Pt-100</b>	-200 to 850°C.	<b>Accuracy</b>	±0.1% of span.
<b>4-20mA (scaleable)</b>	-1999 to 9999.	<b>Response time</b>	±0.1%.of span, ± 1 digit.
<b>0-5 VDC/1-5 VDC (scaleable)</b>	-1999 to 9999.	<b>Insulation resistance</b>	Within 1 second.
<b>Display</b>	(i) 4 digit 7 segment LEDs Red 0.56" height for process variable. (ii) 4 digit 7 segment LEDs Green 0.3" height for set value.	<b>Insulation strength</b>	200 MW at 1000 VDC.
<b>Output</b>	Upto three set point with individual relay output.	<b>Anti-humidity treatment</b>	Tested at 500 VAC between electronics & earth.
<b>Controls</b>	SET, UP, DN, ENTER keys for operation programming & calibration.	<b>Line voltage variation effect</b>	Acryform conformal coating on PCB's.
		<b>Supply</b>	±0.1% (within ±10% change). (A) 110 VAC ±10%, 50 Hz. (B) 230 VAC ±10%, 50 Hz.
		<b>Operating ambient</b>	(Temp.) 0-60°C. (Humidity) 5-95%RH.
		<b>Storage temp.</b>	0°C To 60°C.
		<b>Terminal</b>	Screw terminal.
		<b>Mounting</b>	Flush panel.
		<b>Housing</b>	Extruded aluminium.
		<b>Bezel size</b>	96 x 96 mm.
		<b>Cutout size</b>	92 x 92 mm.
		<b>Weight</b>	Approx. 1.2 Kg.

## Ordering Information



## Application

These instruments are used in Plastic moldings machines, to control the Zone temperatures, Ovens & Furnaces, Milk dairies, Boilers, Reactors, Agitators, Molten metals (like aluminium etc.), Heat treatment furnaces, Refrigeration, Brine chiller, Incubators, Transformers, Compressor, Sterilisers, Autoclave & many more applications.

Mainly for industries like Cement, Chemicals, Petrochemicals, Refinery, Steel, Power, Metallurgy, Sugar, Tyre, Fertilizers, Automobiles, Paper, Paints, Food processing, Pharmaceutical, Breweries, Synthetics & Rayon etc.

Specifications are subject to change without prior notice.

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