



PMC-1 ELECTRO-PNEUMATIC CONTROLLER

- Simplified Installation eliminates need for Positioner, I/P, External Power Supply & Instrument Quality Air
- No Air Consumption at Steady State
- Air Output 0 to Maximum Supply Pressure
- Loss of Power Reset
- Accuracy to $\pm 0.5\%$ of Span
- Easy to Read Digital Display
- Internal Power Supply for Transmitter

OPTIONS

- Pressure Transmitter
- RTD, Thermocouple and Transmitting Thermocouple
- Differential Pressure Transmitter
- Thermowell

MODELS

- PMC-1—Electro-Pneumatic Controller
- PMC-1DA—Used for double acting Actuator
- PMC-1M—For size 85 Actuator only

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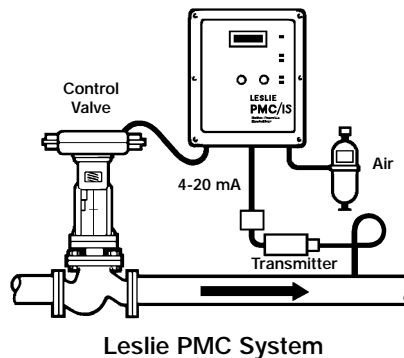
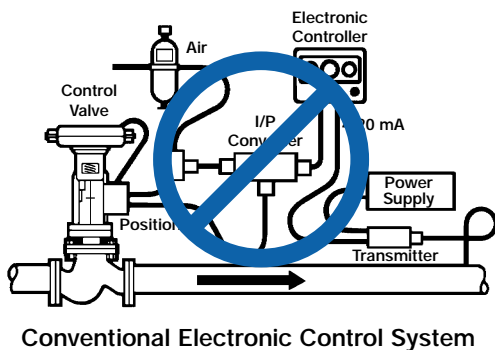
APPLICATION DATA

- Process Control Systems Pressure/Temperature Control
- HVAC Systems
- Packaged Systems such as Water Purification, Vaporizers, Metal Cleaning, Plating, etc.
- Feed Water and Fuel System Controls in Boiler Rooms
- Ideal for Pressure Control

APPLICABLE CODES

NEMA 4 Enclosure

PMC SIMPLIFIES YOUR PRESSURE CONTROL SYSTEM



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SPECIFICATION

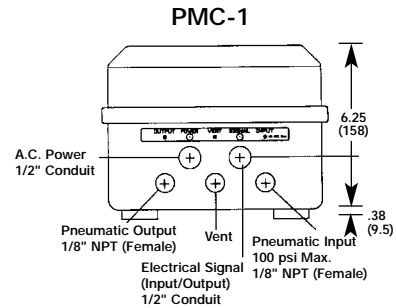
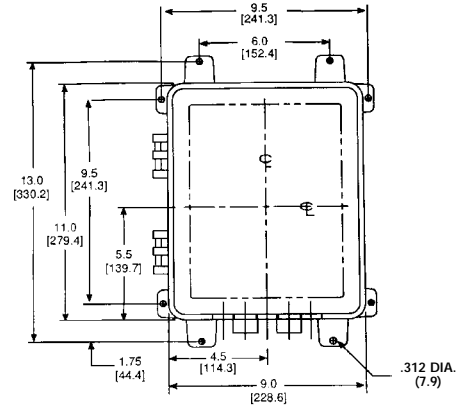
PMC-1 SERIES

Controllers shall be electro-pneumatic, accepting an input signal of 4 to 20 mA or RTD input and providing an output of 0-100 psig capable of modulating diaphragm or cylinder actuators without the use of valve positioners or I/P transducers. Controllers shall be capable of operating on 115/230 VAC, 50/60 Hz or 24 VDC supply and provided with a minimum 3 1/2 inch digital display indicating set point, process variable, deviation from set point and high/low calibration values.

Controllers shall be capable of direct or reverse action and provided with external AUTO/MANUAL switch. Controllers shall have no steady-state air consumption and be capable of accepting a 100 psig input without the use of regulators. Accuracy shall be $\pm 0.5\%$ of span, gain shall be adjustable, dead band shall be adjustable 0-5% of span and controllers shall be provided with an adjustable derivative function.

Enclosures shall be NEMA 1, 2, 3, 3S, 4 and 4X rated and provided with a hinged cover.

Controllers shall be Leslie Controls or approved equivalent.



INSTRUMENTATION

RATINGS

Supply Voltage	115 Volts 50/60 Hz 230 Volts 50/60 Hz 24 Volts DC
Operating Voltage Range	90 to 110%
Power Consumption	10 Watts (max) 0.7 Watts (steady state)
Input	4-20 mA
Air Supply	100 psig maximum
Output.....	0 to max supply pressure
Air Consumption	0 at steady state
Accuracy	$\pm 0.5\%$ Span
Response Speed Range	200:1
Amplifier Gain.....	Normal = 6 High = 12
Dead Band.....	Adjustable, 0 to 5% Span
Input Resistance	150 Ohms
Enclosure Material.....	Noryl ¹
Enclosure Cover	Polycarbonate
Pneumatic Fittings.....	1/8" FNPT
Air Delivery	0.45 scfm at 30 psi 0.55 scfm at 60 psi 0.63 scfm at 90 psi
Weight.....	9 lbs (4.1 kg)

1. Noryl is a registered trademark of General Electric.