



INTRODUCTION

The Poushali Electronics make Microprocessor based Digital Dual Set Point By Pass Damper Controller has been designed to operate the By Pass Damper for Air Pollution Control process depends on temperature in all types of modern Industries, specially in the POWER, CEMENT, METAL & STEEL, MATERIAL HANDLING sectors.

The controller is front panel mounting type and hazard free in operation. It is designed with Microprocessor and Op-amp ICs, which are reliable and give highly stable output, which provide steady and hazard free operation. All components used, are easily available to facilitate easy and cost effective maintenance.

The controller is having a “Process Display” along with Relay LED that provides visual indication for energized relay. It is also having four ‘Push Switch’ to program and set the control set point.

SPECIFICATIONS

Signal Input	:	RTD / TC / mA / Vol.
Display Range	:	0 to 1999 (as per input signal)
Accuracy	:	0.25% of Full Scale
Retransmission	:	4-20mA (optional)
Potential Free Relay output	:	2Nos
Relay Contact	:	1CO, 3Amps for 220VAC / 10Amps for 24V DC
Power Supply	:	220V AC +/- 10%, 50 Hz (110V AC +/- 10%, optional)
Enclosure	:	Front Panel mounting type IP50
Size	:	96mm (W) x 48mm (H) x 120mm (D)
Cutout	:	92mm (W) x 45mm (H)
Material	:	White colour plastic (ABS) enclosure
Ambient Temperature	:	Up to 55 Deg.C

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