



Power	120 VAC, +/- 10%
Operating Temp	0-50 C (32-123F)
Relative Humidity	10-90%
Input Signal	4-20mA, 1-5 Vdc or 0-4 Vdc
Output Contact Rating	5 A @ 250 Vac (resistive load)
Rated Relay Life	50 million mechanical operations 1000,000 operations at 5A (resistive)
Response Time	less than 100 mS
Transient Immunity	OH A28M-1982 1000 Vpeak
RFI Immunity	OH C5047-77
Repeatability	+/- 0.1%
Drift	Short term +/- 0.05% LongTerm +/- 0.1%
Deadband	0.3-10%, adjustable
Isolation	1000 Vac, input vs output vs power

55PA2000-P.1 Process Alarm Station

The 55PA2000-P.1 is a direct form, fit and function replacement of the Fischer & Porter models 55PA1000 and 55PA2000 alarm stations in the Versa mount case.

Each alarm is configurable to be either a High or Low Process Alarm. The alarm setpoint is adjusted via a 10 turn calibrated setpoint dial that has a vernier style gauge that is settable to 0.1%. It also has a locking provision once the desired setpoint is set.

The available options are (1) the alarm setpoint can be re-transmitted via a 4-20 mADC signal, (2) the setpoint can be set remotely by a 4-20 mADC input.

This new design has several performance enhancements. The 55PA2000-P.1 has 3 way input-output-power isolation including the re-transmitted values. It has an electrical transient protection circuit on the input and output signal lines as well as the power line. The power supply is a very efficient switching power supply which uses only one electrolytic capacitor as compared to the original unit which had a linear supply with multiple electrolytic capacitors. Additionally the circuit is designed with a low temperature coefficient giving the unit good long term stability requiring reduced calibration maintenance

