



Power	120 VAC, +/- 10%
Operating Temp	5-50 C (41-122F)
Relative Humidity	10-90%
Input Signals	0.2-1.0 Vdc
Output Contact Rating	5 A @ 250 Vac (resistive load)
Rated Relay Life	100 million mechanical operations 100,000 operations at 5A (resistive)
Response Time	less than 200 mS
Transient Immunity	OH A28M-1982 1000 Vpeak
RFI Immunity	OH C5047-77
Repeatability	0.25%
Deadband	1%, fixed
Isolation	1000 Vac, input vs output vs power

PTA-215-P.1

The PTA-215-P.1 is a direct form, fit and function replacement of the Rochester Instruments model PTA215 dual process alarm relay. This replacement card slides directly into the existing 7-way RIS rack mount card cage.

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 output for each setpoint is a dual form C contact rated at 5A (see specifications).

This new design has several performance enhancements. The PTA-215-P.1 has 3-way input-output-power isolation. 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

