

## ADM220X-3 Three RTD Input Adder / Averager Unit

- Suitable for SIL 1, 2 & 3 applications
- Suitable for any process unit
- Supply voltages: 115Vac  $\pm 20\%$   
240Vac  $\pm 20\%$   
24Vdc  $\pm 2.5V$   
12Vdc  $\pm 1.2V$  (Optional)  
48Vdc  $\pm 5V$
- RFI Protection to IEC61000-4-3 available
- AMELEC Standard 10 year warranty

### Technical Specifications

#### Input

From any 2 wire RTD with a span greater than 50°C

#### Output

Any standard process current or voltage,  
Current source up to 20mA. Drive voltage 24Vdc  
Voltage source up to 10V. Max current 20mA

#### Typical Equations

Adder =  $A+B+C$  / Averager =  $(A+B+C)/3$

#### Isolation

1000V RMS\*. Input/Output/Supply/Earth

\*(500Vdc if RFI option (K) is specified)

Linearity  $< \pm 0.1\%$

#### Environmental Conditions

Storage Temperature: -40 to 70°C

Operating Ambient: -15 to 55°C

Relative Humidity: 5 – 95% RH

#### Input Load / Output Drive

#### Typical Input

PT100 2 wire 0-100°C

#### Typical Output

Current 4-20mA max load 1200Ω

Voltage 1-5Vdc min load 250Ω

#### Dimensions

50w x 75h x 110d (mm)

