

AEC241 AC/DC Potentiometer Input Transmitter / Splitter

- Suitable for combinations of Potentiometer Input & process Voltage or Current Outputs
- True universal AC/DC supply, voltage range 21V through 265V AC/DC

Technical Specifications

Input

3 wire Potentiometer ranges up to 20Kohms may be specified.
Typical Input ranges: 0-1Kohms, 0-5Kohms or 0-10Kohms

Outputs

The standard output signals are 4-20mA, other ranges are available on request.

The current sources can be up to 20mA with a drive voltage of 13V.
The voltage sources can be up to 10V's, max drive 20mA.

The output currents are configured as Active/Source ports as std,
Passive/Sink port configurations available on request (max 30V external)

Other Typical Output ranges

0-10mA, 0-20mA, 1-5mA, 0-2V, 0.4-2.0V, 1-5V, 2-10V, 0-10V

Accuracy/Linearity

Accuracy: $< \pm 0.1\%$ Span

Linearity: $< \pm 0.1\%$ Span.

Input Open Circuit Response

Upscale Drive

Supply

Burden on 24Vdc supply 50mA

Burden on AC supply 1W

Isolation

1000V RMS Input/Output/Supply

Environmental Conditions

Storage Temperature: -20°C to $+70^{\circ}\text{C}$

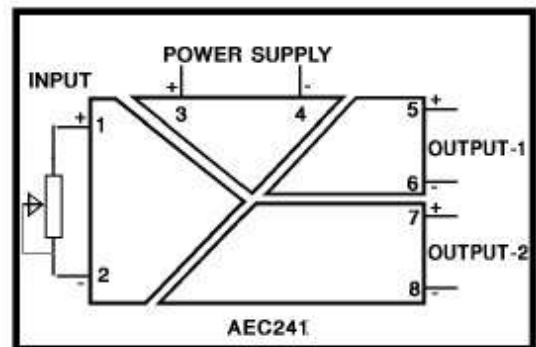
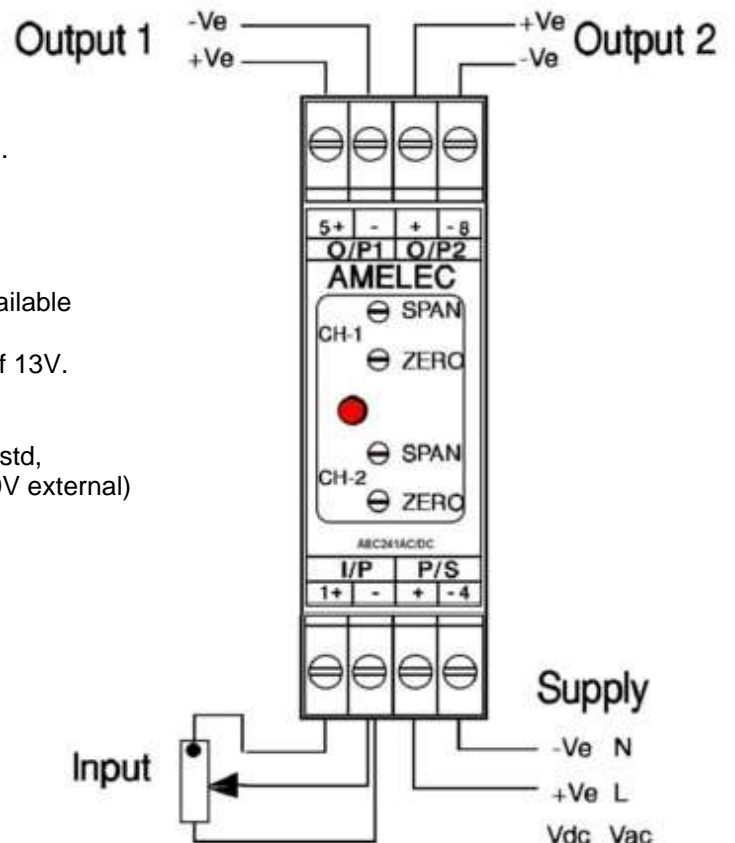
Operating Ambient: 0°C to $+55^{\circ}\text{C}$

Relative Humidity: 5% to 95% RH (Non-Condensing)

EMC: 2014/30/EU, EN 61326-1:2013 (Controlled EM)

RoHS: 2011/65/EU

WIRING



Mounting / Dimensions

Din Rail (TS35)

Enclosure: 22.5w x 75h x 105d mm