

ADM230X-PWM Signal Transmitter

- Suitable for SIL 1, 2 & 3 applications
- Suitable for combinations of process inputs and outputs
- Supply voltages: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
12Vdc $\pm 1.5V$
24Vdc $\pm 2.5V$
48Vdc $\pm 5V$
- RFI Protection to IEC61000-4-3 available
- AMELEC Standard 10 year warranty

Technical Specifications

Input

Any current pulse up to 5Amp DC.
Any voltage pulse up to 50Vdc.

Output

Any standard process current or voltage
Current source up to 20mA. Drive voltage 24Vdc
Default configuration for output is as source but on request can be configured for sink
Voltage source up to 10V. Max current 20mA

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

Options

J = An input jack for injecting an external signal into the input without disturbing the loop.

DI = A 3½ digit display of the input or output in units to suit

K = RFI Protection to IEC61000-4-3

Typical Input

0-2.5 Amp DC (PWM 0-1KHz/0-25mV)

Typical Output Proportional to Current Pulse Width

Current 4-20mA max load 1200Ω

Voltage 0-5Vdc min load 250Ω

Time Response:

Adjustable 0-1 second.

Dimensions: 50w x 75h x 110d (mm)

WIRING

