

PWM Converter (4-20 mA to PWM)

P/N: IPWM-DR-4-20MA



Application:
Industrial controls,
Mobile equipment

Description: PWM Converters provide a compact solution for converting current into digital pulse width modulated (PWM) signal. A reference voltage is provided on the PWM output.

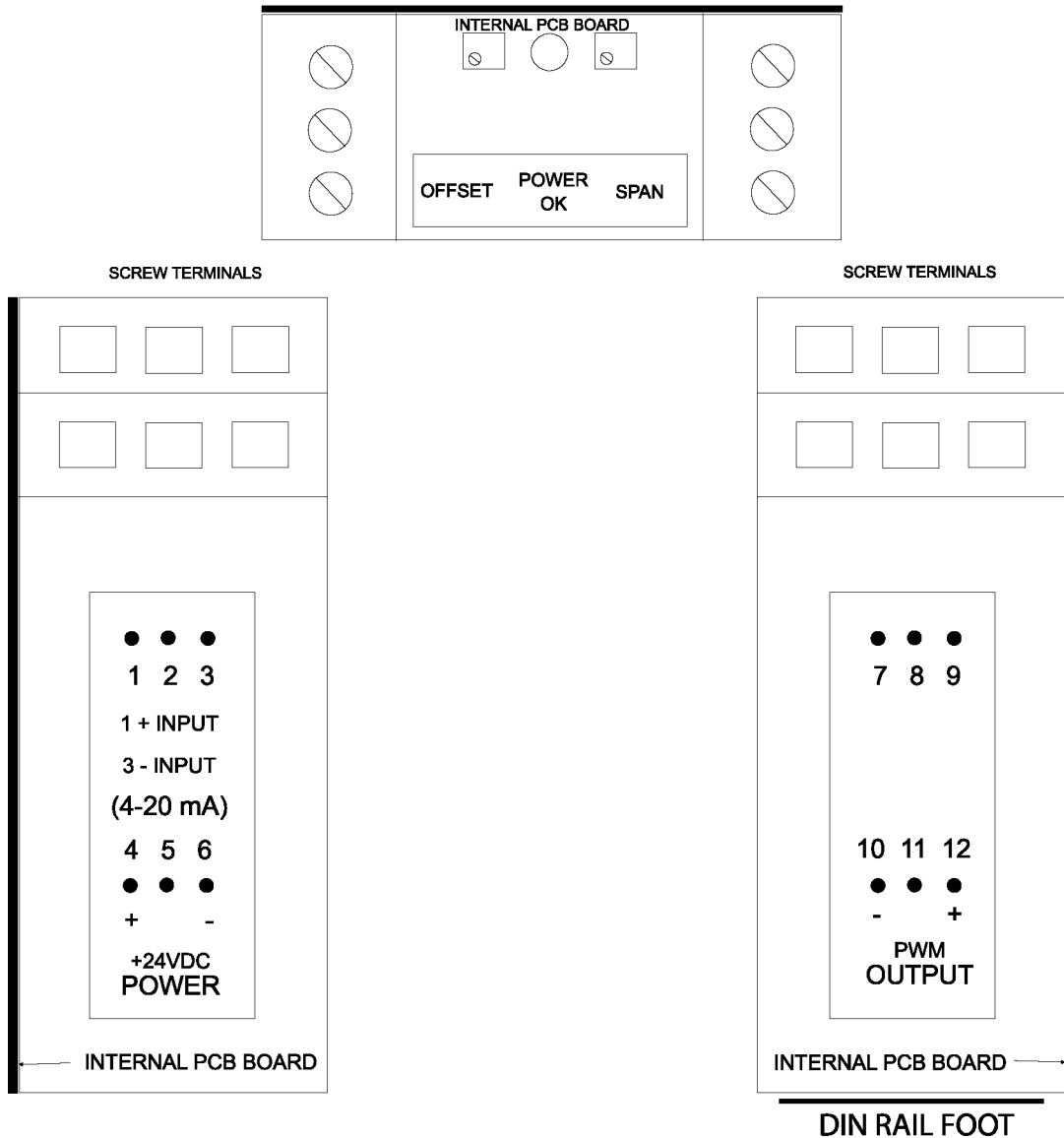
All specifications typical at nominal input voltage and 25 degrees C unless otherwise specified.

Technical Specifications:

4-20 mA to PWM

Ordering Part Number:	IPWM-DR-4-20MA
Input Specifications:	
Current	Fully isolated 4-20 mA
Output Specifications:	
PWM Output	PWM frequency 550 Hz +/-10% 10-90% (Variable Active High) Pull-up resistor provides reference voltage on Pin 12 (+output) Over-current protection Current = max. 10 mA
Reference Voltage Output	Low output voltage: 0.5VDC @ 10% High output voltage: 4.5VDC @ 90%
General Specifications:	
Power Supply	24VDC (15-45VDC) Transient protection
Reverse Polarity Protection	Provided
LED Indication	Power ON
Operating Conditions	-40 to 85 degrees C (-40 to 185 degrees F) 0-95% relative humidity
Adjustments	Span and Offset (Zero) <i>Trim pots are 10 turn. CW = increasing for the Zero adjustment. CCW = increasing for the Span adjustment. When 4 mA is applied, adjust Zero to 10%. When 20 mA is applied, adjust Span to the 90%. PWM output can be measured using a multi-meter (with a PWM measurement feature).</i>
Electrical connection	#14-24 AWG screw terminals
Packaging	Encapsulated in a Polycarbonate DR12 housing, DIN rail mount 16 Amp max. current rating
Dimensions	75 x 98.5 x 22.5 mm (W x H x D) 2.95 x 3.87 x 0.88 inches
Protection	IP40 (housing), Terminals IP20
Weight	0.25 lbs. (0.11 kg)

Connection Diagram



Specifications are indicative and subject to change. Actual performance will vary depending on the application and operating conditions. Users should satisfy themselves that the product is suitable for use in the intended application. All our products carry a limited warranty against defects in material and workmanship. Please refer to our Warranty, Application Approvals/Limitations and Return Materials Process as described on www.axiomatic.com/service.html.

Form: TD2004AX-11/13/08