

TECHNICAL DATASHEET #TD2016AX
PWM Converter
(0-5V to PWM)
 P/N: VPWM-DR-5V



Application:
 Industrial controls,
 Mobile equipment

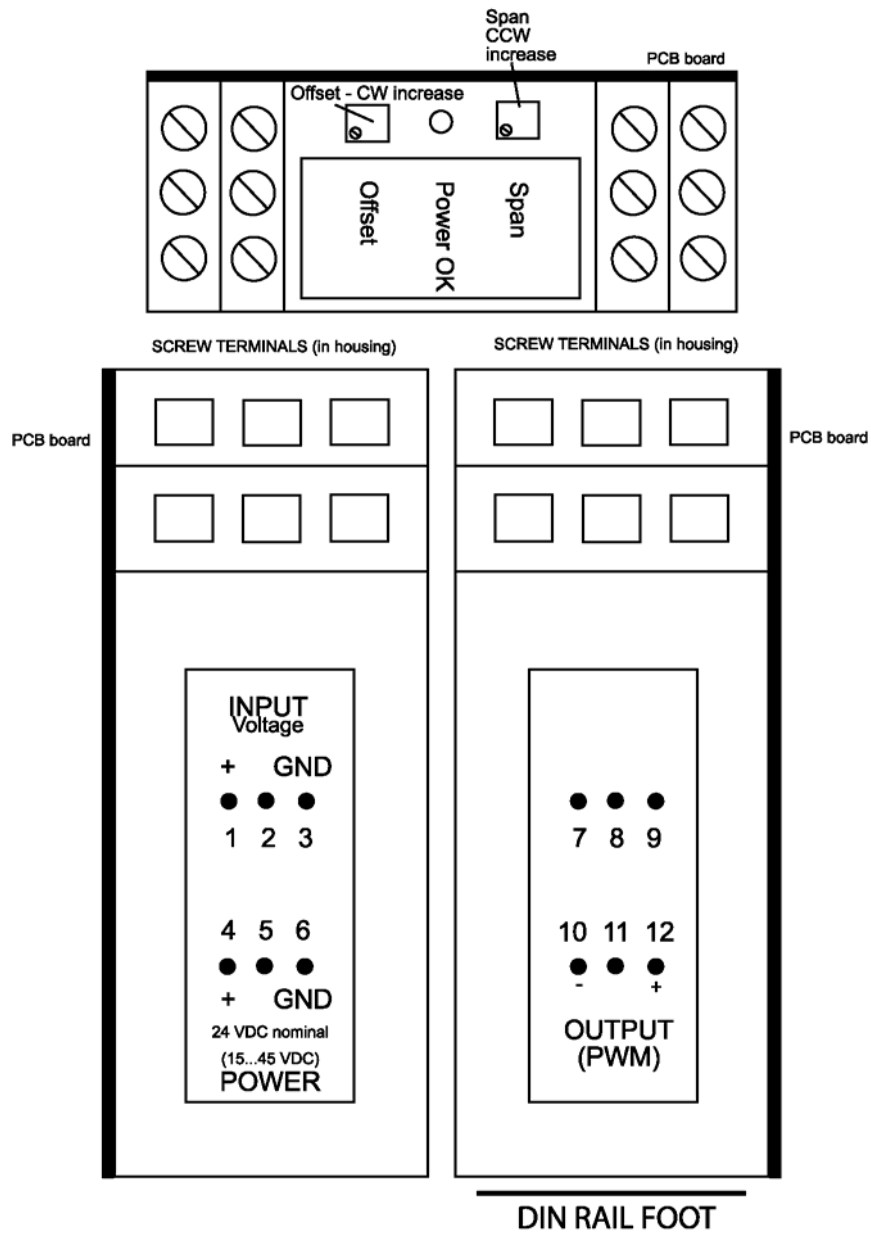
Description: PWM Converters provide a compact solution for converting voltage into digital pulse width modulated (PWM) signal.

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

Technical Specifications:

0-5V to PWM

Ordering Part Number:	VPWM-DR-5V
Input Specifications:	
Voltage	Fully isolated, 0-5V
Output Specifications:	
PWM Output	PWM frequency 485 Hz +/-10% 5-90% (Variable Active High) Open collector Over-current protection
Reference Voltage Output	Low output voltage: 0.3VDC @ 5% High output voltage: 0.7VDC @ 90% Maximum output voltage: 30V or less (at 90%)
General Specifications:	
Response Time	<10 mSec.
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) Default settings are provided. <div style="border: 1px solid black; padding: 5px;"> <p><i>If further adjustment is desired, follow these steps. Trim pots are 10-turn.</i></p> <ol style="list-style-type: none"> 1. When 0V is applied, adjust Zero trim pot to 5%. (Default) 2. When 5V is applied, adjust Span trim pot to the 90%. (Default) <p><i>NB. PWM output can be measured using a multi-meter (with PWM measurement feature).</i></p> </div>
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



Specifications are subject to change without notice.
Form: TD2016AX-11/27/07