

TECHNICAL DATASHEET #TD2002AX
PWM Converter
0-10 VDC to PWM
(P/N: VPWM-DR-10V)



Voltage to PWM Signal Converters

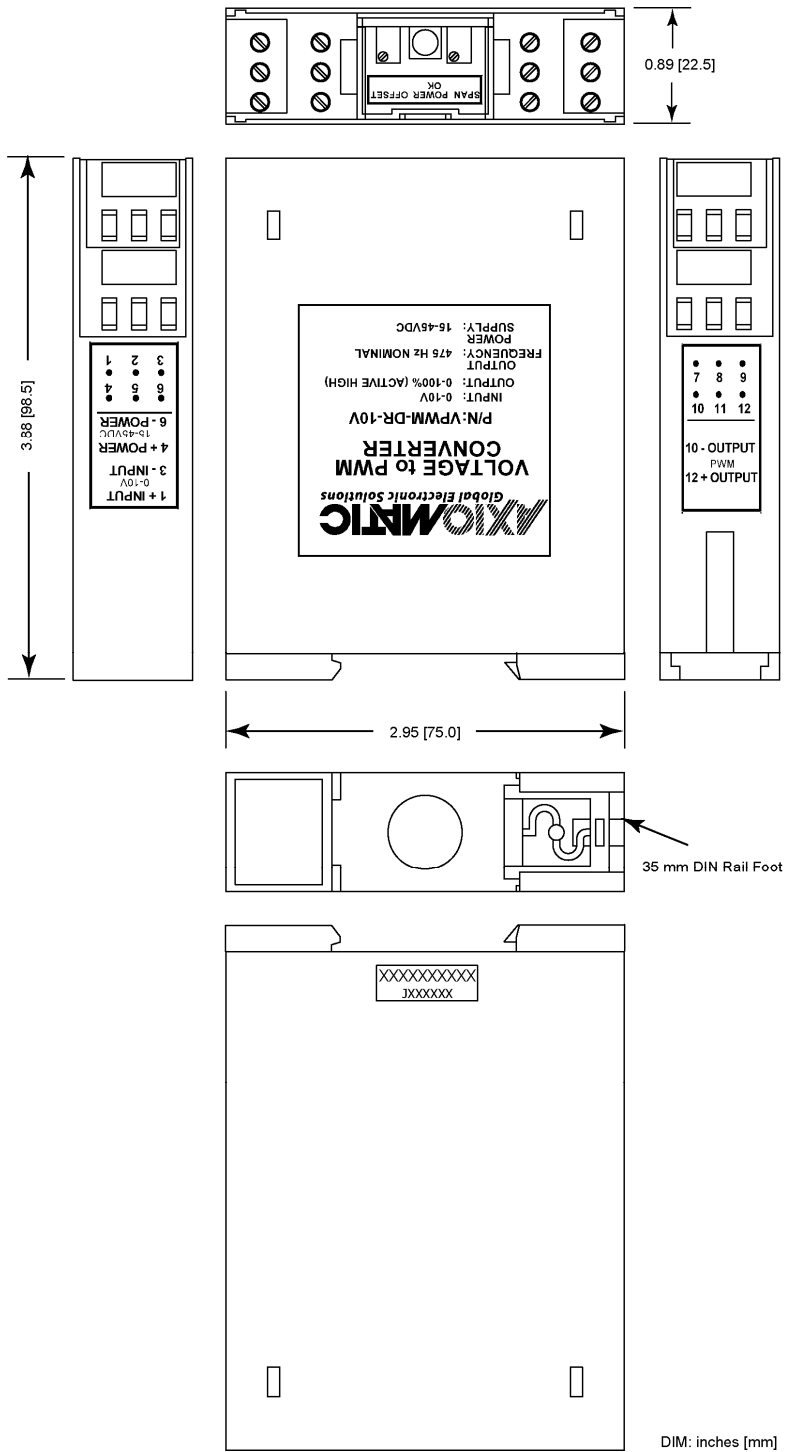
Description: PWM Converters provide a compact solution for converting current or voltage into digital pulse width modulated (PWM) signal.

Application:
Industrial control panels,
mobile equipment control panels

Technical Specifications:

0-10 VDC to PWM

Ordering Part Number:	VPWM-DR-10V	VPWMDR10V400HZ
Input Specifications:		
Voltage	Fully isolated 0-10 VDC	
Output Specifications:		
PWM Output	Model: VPWMDR10V PWM frequency 475 Hz +/-10% 0-100% (Variable Active High) Open collector Over-current protection	Model: VPWMDR10V400HZ PWM frequency 400 Hz +/-10% 0-100% (Variable Active High) Open collector Over-current protection
Output Voltage (High)	<36 V, <10 mA	
Settling Time	<100 mSec.	
General Specifications:		
Power Supply	24VDC (15-45VDC) Transient protection	
Reverse Polarity Protection	Provided	
Response Time	10 mSec.	
Accuracy	0.5%	
Stability	0.1%	
Power Consumption	29 mA @ 15VDC 20 mA @ 24VDC	
Operating Conditions	-40 to 85 degrees C (-40 to 185 degrees F) 0-95% relative humidity	
Vibration	IEC 68-2-64	
Adjustments	Span (Turn CCW to increase.) Offset (Zero) (Turn CW to increase.) Factory configured to 0% and 100%	
Electrical connection	#14 AWG screw terminals	
Enclosure	DR12, DIN rail mount Polycarbonate	
Dimensions	75 x 98.5 x 22.5 mm (W x H x D) 2.95 x 3.88 x 0.89 inches	
Weight	0.25 lbs. (0.11 kg)	
Protection	IP40 (housing), Terminals IP20	
The Axiomatic signal converters are designed for mounting in a control panel.		



VPWM-DR-10V
 Feb. 6, 2012 A. Wilkins
 Axiomatic Technologies Corporation

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

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: TD2002AX-07/26/17