

PWM Converters



P/N: PWMI-WG8-0y
 (3 Sec. response time)
 y = 01 (0-5VDC)
 02 (0-10VDC)
 03 (0-20mA)
 04 (4-20mA)

P/N: PWMI-WG8-0y
 (100 mSec. response time)
 y = 05 (0-5VDC)
 06 (0-10VDC)
 07 (0-20mA)
 08 (4-20mA)

Note: Also specify PWM Hz.

Description: PWM Converters provide a compact solution for converting digital pulse width modulated (PWM) signal into current or voltage. Current to PWM converters are also available. **Off-the-shelf products and custom product development are available.**

Applications: Industrial controls

Technical Specifications:

	PWM to current/voltage (3 Sec. response time)	PWM to current/voltage (100mSec. Response time)
Ordering Part Number:	See above	See above
Input Specifications:		
<i>PWM</i>	Fully isolated PWM frequency 5 to 1,000 Hz PWM range 0-100%	Fully isolated PWM frequency 50 to 5,000 Hz PWM range 0-100%
<i>Input Voltage</i>	Low <1.5V High >3.5V (50V max.) TTL and CMOS compatible	
<i>Input Impedance</i>	200kOhm	
Output Specifications:		
<i>Voltage Output</i>	Fully isolated 0-5VDC or 0-10VDC (user selectable)	
<i>Output Impedance</i>	1 Ohm Transient protection included Short circuit protection	
<i>Current Output</i>	0-20mA or 4-20mA (user selectable)	
<i>Compliance Voltage</i>	8.8VDC	
<i>Maximum Load Resistance</i>	400 Ohms	
General Specifications:		
<i>Power Supply</i>	24VDC+/-10% Transient protection	
<i>Reverse Polarity Protection</i>	Provided	
<i>Power Consumption</i>	30 mA	
<i>Operating Conditions</i>	-40 to 85 degrees C (-40 to 185 degrees F) 0-95% relative humidity	
<i>Adjustments</i>	Span and Offset (Zero) factory configured	
<i>Electrical connection</i>	#12 to #22 AWG screw terminals	
<i>Packaging</i>	Wieland WEG8, DIN rail mount	
<i>Dimensions</i>	60.6 x 90.5 x 28.5 mm (WxHxD) 2.38 x 3.56 x 1.12 inches excluding DIN rail	

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

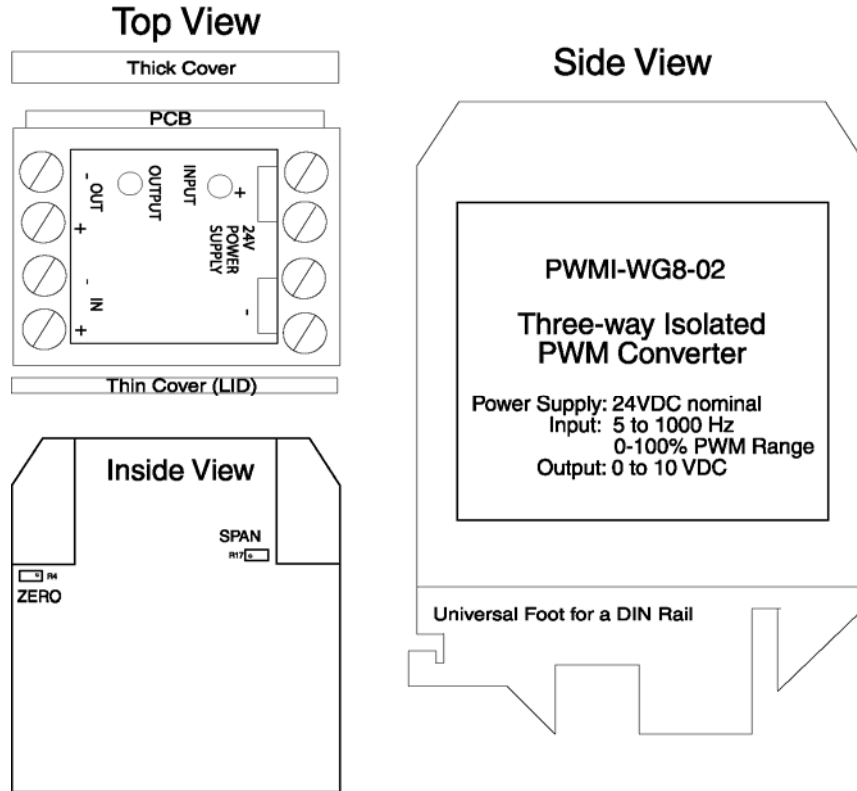
Connections and Adjustments

PWMI-WG8-02 is shown below (PWMI-WG8-06 is the same).

For PWMI-WG8-01 and PWMI-WG8-05, output is 0-5VDC. Connections and adjustments are the same.

For PWMI-WG8-03 and PWMI-WG8-07, output is 0-20 mA. Connections and adjustments are the same.

For PWMI-WG8-04 and PWMI-WG8-08, output is 4-20 mA. Connections and adjustments are the same.



Specifications are subject to change without notice.
Form: TD2011AX-02/11/08