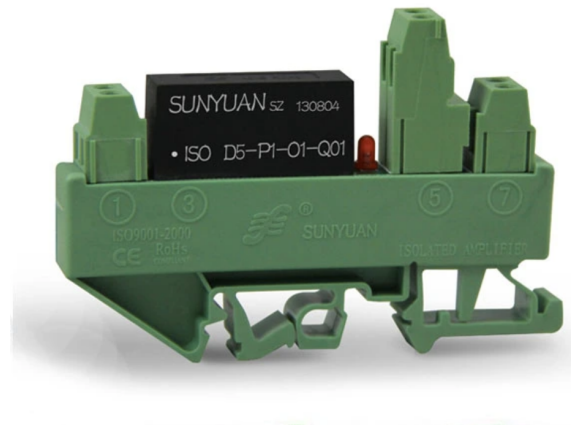


PWM to AO adapter

PWM to AO adapter for converting PWM signal to 0-10V analog output. 3kV isolation, 24VDC power supply, frequency 100-900 Hz.



Quick Facts

Dimensions	36 × 59 × 58 mm
Operating temperature	-20 ... 50 °C
IP rating	IP20

Used when only a single 0-10V analog output is required.

Order Code	PWM TO AO ADAPTER
EAN	 8586022937705

Technical Specifications

ELECTRICAL	
Power supply	24 VDC
Galvanic isolation	3 kV
OUTPUTS	
Analog output	0-10 V

Features

- Range: PWM signal to 0-10V
- Power supply / input signal / output signal: 3KVDC isolation
- Power supply: 24VDC, input range ± 10%
- Flame retardant enclosure UL94V-0

- Temperature range: -20°C ~ +50°C, relative humidity 10 ~ 90% (non-condensing)
- Fine adjustment of output voltage via potentiometer
- PWM receiver frequency: 100 Hz - 900 Hz
- Accuracy: 5%

Configuration

- Define the UO on the TapHome module as “LED dimmer”
- Set PWM frequency = 200 Hz
- In the TapHome app, set the output value to 50%. Measure voltage between GND and the 0-10 output using a multimeter. Adjust the potentiometer until the multimeter shows 5.00 VDC. This will calibrate your pulse signal to this module. Note that if the frequency changes, the adapter may need to be recalibrated.



Product page

<https://hardware.taphome.com/pwm-to-ao-adapter/>

