36128-MD
Pulse/PWM Generator

Dual mode generator that you can select PWM or PULSE with adjust frequency and Duty Cycle.
Direct drive LEDs, Motor, solenoid valve .
Retains settings with power off.
Backlit LCD display.
Note: Output Transistor Is Open Source Output
      Requires either a Pull-up Resistor or a load
Input: 3.3V-30VDC
Output: 8A max
Output Amplitude: ~Same as Input Voltage
Frequency Range: 1Hz~150KHz +-2%
Duty Cycle Range: 0.00%-99%
PULSE MODE
Adj, Number of pulses: 1~9999 or Infinite (----)
Adj. Pulse Delay:0.000s~9999s
Adj: Pulse Width:0.000s~9999s
Timing Accuracy: ~1ms
Temperature Range:-40°C~85°C
Humidity:0%~95%RH
L: 2-3/3" **W:** 1-1/4" **H:** 1/2" **WT:** .04

	ON/OFF Switch Mode More 6s	Freq+	Freq-	Duty+	Duty-	KHz %
PWM Mode	ON/OFF Switch Mode More 6s	Freq+	Freq-	Duty+	Duty-	
PULSE Mode	ON/OFF Switch Mode More 6s	Positive pulse +	Positive pulse -	Negative pulse +	Negative pulse -	S S
	Set Mode More 2s	Delay +	Delay -	Pulse Nums +	Pulse Nums -	S N

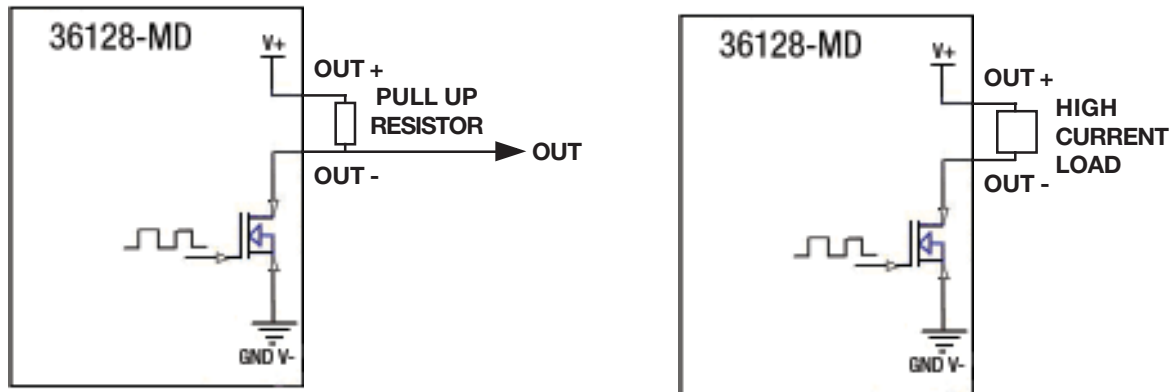| PWM Mode : Frequency : 1.000Khz Duty cycle : 50%	PULSE Mode : + Pulse width : 0.500s - Pulse width : 0.500s	PULSE Mode Set : Delay : 1.000s Number of pulses : 9999

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1: PWM mode (Display shows "%")
NOTE: The factory default mode is PWM mode,
    1: FREQ+ and FREQ- buttons set frequency, DUTY+ and DUTY- buttons set Duty Cycle;
Short press SET/STOP button controls signal output (ON/OFF). When Stopped output is 0.
    2: The Displays shows "OUT" when there is Output
    The factory default: Frequency is 1KHZ and the Duty Cycle is 50%. (Square Wave)

2: PULSE mode
    1: long press and hold (>6 seconds) the SET/STOP button   The "%" disappears from
    the Display, it is now in PULSE mode.
    2: The P+ and P- buttons set the positive (High-ON) pulse width time, the Upper
    Display Line is ON Time.
    The N+ and N- buttons set the negative (Low-OFF) pulse width time, the Lower Display
    line is the OFF time setting,
    The unit of measure is seconds; short press the SET/STOP button to control the signal
    output. When Stopped output is 0, The Displays shows "OUT" when there is Output
    Factory Default: 0.5 sec. Positive pulse width and the 0.5 sec negative pulse width.

2A: PULSE Number and Delay Time setting (Delay on Turn On)
NOTE: This uses the above PULSE mode Settings (High/Low Time)
    1: In PULSE mode, Press and hold the SET/STOP button for >2 sec. and then release,
    You are now in the pulse number (Number of Pulses that will Sent) and delay time
    setting mode (0.001-9999Sec).
    The screen displays SET, (it will be turned off and cleared after entering.)
    Output pulse: P+ and P- buttons set delay time , N+ and N- buttons set the number of
    Pulses output (Factory default delay is 0 seconds, pulse number is infinite (display ----).
    This setting provides continious output at power on in normal pulse mode above.
    2: After setting, Press the SET/STOP button for >2 seconds. Module automatically
    returns to the Pulse mode display.
    Module will peform this at each Power up AND when the SET/STOP button is pressed.
    After the number of pulses is sent, it will automatically output 0, "OUT" on Display will
    remain on and the Output will be 0
    Pressing the SET/STOP button, If still timing, the timing is cleared, and restarted.

Settings are retained when power is off