



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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CW series

Proportional miniature control wheel

Distinctive features and specifications

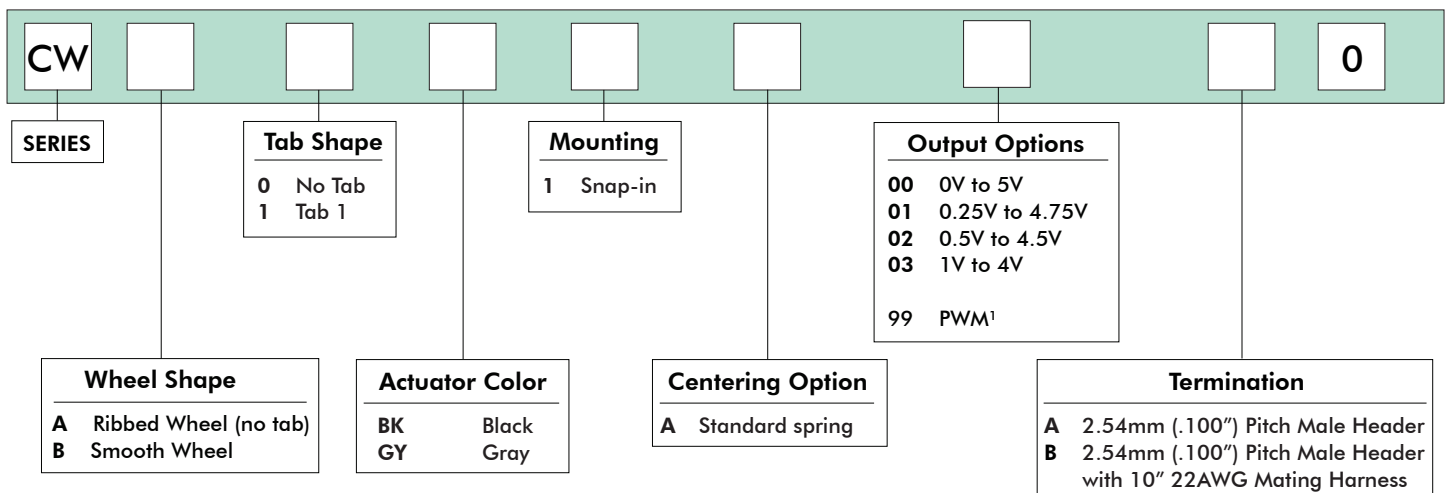


- Miniature design
- Ideal for joystick, armrest and panel mounting
- Proportional output
- Self-centering, single axis actuator
- Snap-in mounting

MECHANICAL
<ul style="list-style-type: none"> • Mechanical Angle of Movement: $\pm 45^\circ$ • Expected Life: 3 million cycles • Mass / weight: $18.25g \pm 5.0g$ ($0.64oz \pm 0.18oz$) • Lever Action (Centering): Spring centering
ENVIRONMENTAL
<ul style="list-style-type: none"> • Operating Temperature: $-40^\circ C$ to $+85^\circ C$ ($-40^\circ F$ to $+185^\circ F$) • Storage Temperature: $-40^\circ C$ to $+85^\circ C$ ($-40^\circ F$ to $+185^\circ F$) • EMC Immunity Level: EN61000-4-3 • EMC Emissions Level: EN61000-6-3:2001 • ESD: EN61000-4-2

ELECTRICAL
<ul style="list-style-type: none"> • Resolution: 1.22mV • Supply Voltage Range: $5.00V \pm 0.250VDC$ • Reverse Polarity Max: -10V • Overvoltage Max: 20V • Output Impedance: 2Ω • Return to Center Voltage Tolerance: $\pm 200mV$ initial

NOTES:
Exact specifications are subject to configuration.
All values are nominal.

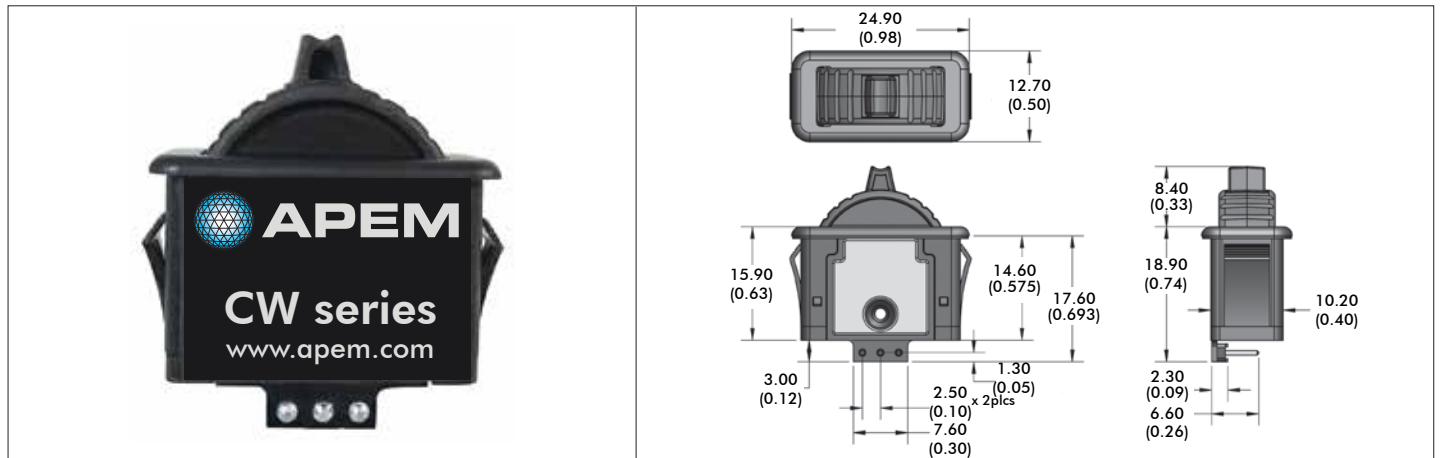


NOTE:
1 - Contact factory for PWM configuration.

CW series

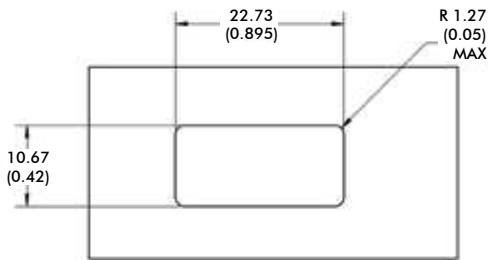
Proportional miniature control wheel

Overview

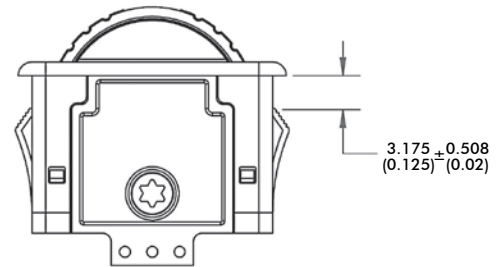


MOUNTING OPTIONS

PANEL CUTOUT

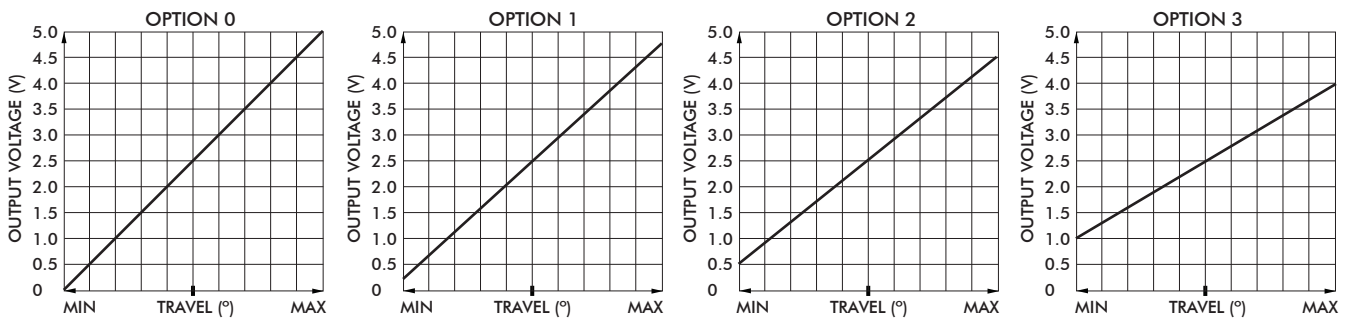


PANEL THICKNESS

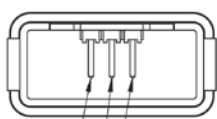


NOTE: Dimensions are in mm/(inch).

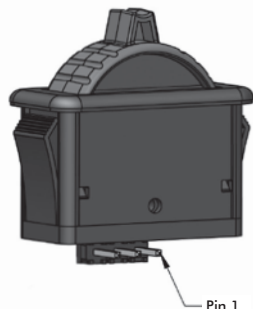
VOLTAGE OUTPUT OPTIONS



TERMINALS



Pin 1 - 5V power (RED)
Pin 2 - Ground (BLACK)
Pin 3 - Signal (BLUE)



Pin 1

OPTIONAL MATING HARNESS¹

- Wire type: 22AWG 25cm PTFE
- Connector: Molex 0050579503

WIRING SPECIFICATION

- Red: Power (5V)
- Black: Ground
- Blue: Signal

NOTES:

1. The CW Series is fitted with a three terminal SAMTEC (TLW-103-05-T-S) 2.54mm header. An optional 22AWG Mating Harness may be specified from the "Terminal" category of the Option Selection Guide.
- Images shown are for illustration purposes only.

Note: The company reserves the right to change specifications without notice.