

# MV-Series Stepped Attenuators w/SMD Resistors



- Attenuator with SMD Resistors installed
- Highest quality switch with gold contacts, precision engineering
- Available in mono and stereo versions and various configurations
- Single or dual deck
- 24 positions, up to 12 channels
- High precision - to 0.1% tolerance
- Low noise - 25ppm, thin-film technology
- Easy 3-wire hookup
- Can be used for motor controls or other applications to replace potentiometers

Elma's SMD attenuators are designed for audio, motor control, or other applications where precision and reliability are essential. They save time (no through-hole soldering), space (SMD devices are very small), and money (automated assembly processes reduce costs). The input selector switches offer the user a high quality switch for input selection path so no fidelity is lost anywhere in this critical part of the audio path.

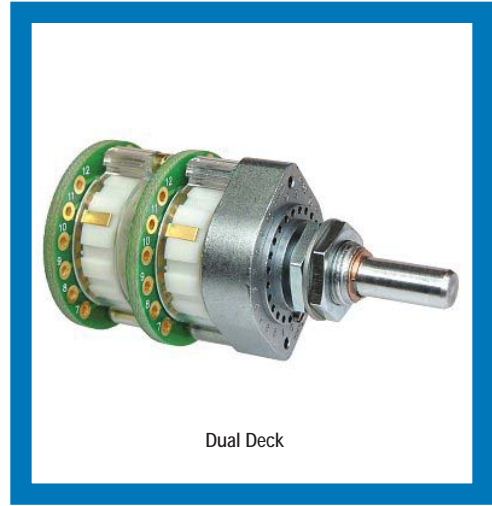
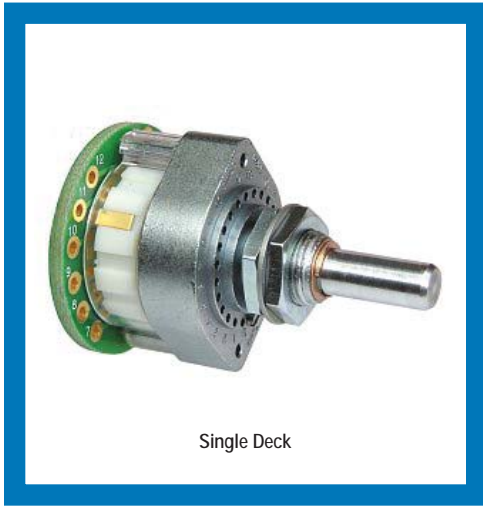
The MV Series Stepped Attenuators are available in 24 positions and in versions from 1 to 6 channels. The precision audio input selector switches are available in 1 to 4 pole versions. The attenuators employ high precision (0.1% tolerance) low-noise, thin-film resistors. The 3 micron gold contact system on all MV switches employs PCB traces and not standard switch contacts to ensure the low contact bounce.

The SMD switches provide for easy assembly as the small PCB only requires a simple 3-wire hookup for audio in, audio out, and ground.

Elma's switches are renowned for their high quality and durability over time. The switches work well within specifications after 50,000 rotations. They employ 3 microns of gold plated contacts and are assembled with precision component "pick and place" equipment. The MV Series is manufactured by Elma using partner Goldpoint Level Controls' original switch integration concepts.



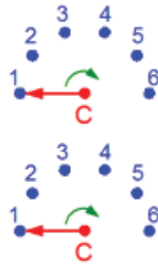
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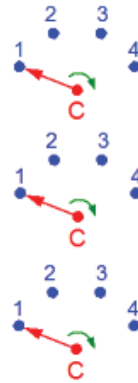
**1P**  
1 Pole, 12 Positions



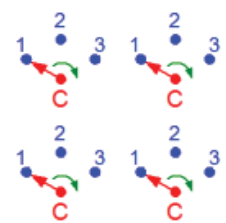
**2P**  
2 Pole, 6 Positions



**3P**  
3 Pole, 4 Positions

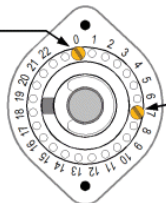


**4P**  
4 Pole, 3 Positions



## Front of Switch

Stop Screw at Index #0 (do not move).



To adjust the number of switch positions, use screwdriver to move second Stop Screw.

# of Switch Positions	Move Second Stop Screw to Index #
2	3
3	5
4	7 (shown)
5	9
6	11
7	13
8	15
9	17
10	19
11	21
12	23

