Lenze
AC Tech

Installation Instructions for SMVector Potentiometer Option, ESVZXM1, ESVZXM2 and ESVZXM3

Remove SMV Terminal Cover

1. Disconnect the AC supply before opening the terminal cover.
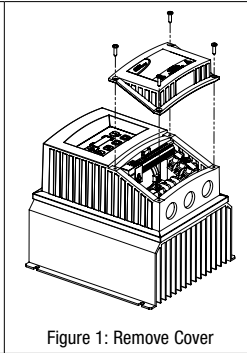2. Unscrew the 4 terminal cover screws as illustrated in Figure 1.

Figure 1: Remove Cover

Replace with SMV Potentiometer Option

3. Connect the potentiometer wires to the SMV terminal strip as detailed in Figure 2 and Table 1.

   Table 1: Potentiometer Wiring Specifications

Wire	SMV Terminal	
Black	2	0.5Nm/4.5lb-in
Blue	5	0.5Nm/4.5lb-in
Red	6	0.5Nm/4.5lb-in

4. Align potentiometer for replacing cover, then secure, as shown in Figure 3.
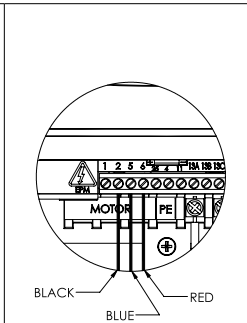5. Torque four Cover Screws to 6-7 lb-in (0.67-0.79 Nm)

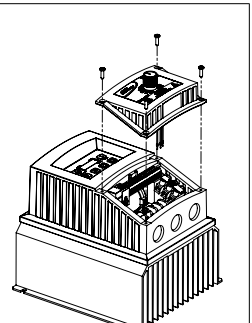Figure 2: Wiring Potentiometer to SMV Terminal Strip

Figure 3: Replace Potentiometer as SMV Terminal Cover

Potentiometer Option Installed in SMV Drive

6. The potentiometer is intended for local manual speed control. It uses the 0...10 VDC analog input.
7. Set Parameter P101 to setting 01 to enable 0...10 VDC potentiometer manual speed control mode.
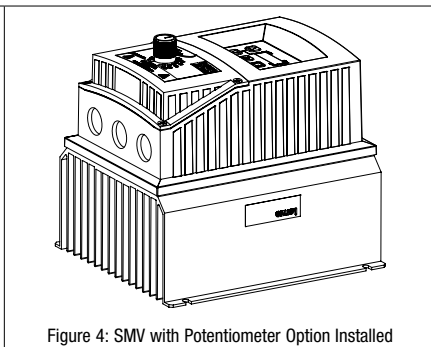8. Consult Manual SV01 for further details.

Figure 4: SMV with Potentiometer Option Installed