

INSTALLATION INSTRUCTIONS

AUTO/MANUAL SWITCH Part No. 9481A

for KBAC Series Inverters with SIAC Signal Isolator (Part No. 9600)

This switch assembly is designed to operate with the following, or higher, Software Revision Codes:

KBAC-24D: 1.24, KBAC-27D: 1.21, KBAC-29: 1.03, KBAC-45: 1.11, KBAC-48: 1.34.

The software revision code is printed on the bottom right side of the 2.5" x 7/8" silver ratings label, which is located on the top of the drive. The revision code is given in the format "XX/1.24".



SAFETY WARNING! Please read carefully before proceeding.

This product should be installed and serviced by a qualified technician, electrician, or electrical maintenance person familiar with its operation and the hazards involved. Proper installation, which includes electrical connections, mounting in proper enclosure, fusing or other overcurrent protection, and grounding can reduce the chance of electrical shocks, fires, or explosion in this product or products used with this product, such as electric motors, switches, coils, solenoids, and/or relays. Eye protection must be worn and insulated adjustment tools must be used when working with control under power. This product is constructed of materials (plastics, metals, carbon, silicon, etc.) which may be a potential hazard. Proper shielding, grounding and filtering of this product can reduce the emission of radio frequency interference (RFI) which may adversely affect sensitive electronic equipment. If further information is required on this product, contact the Sales Department.

This control contains electronic Start/Stop circuits that can be used to start and stop the control. However, these circuits are never to be used as safety disconnects since they are not fail-safe. Use only the AC line for this purpose.

Be sure to follow all instructions carefully. Fire and/or electrocution can result due to improper use of this product.

It is the responsibility of the equipment manufacturer and individual installer to supply this Safety Warning to the ultimate end user of this product.

DESCRIPTION

The Auto/Manual Switch assembly is designed for installation on the front cover of the KBAC inverters. It is used to select either the Main Speed Potentiometer for "manual operation" or a remote voltage following analog signal for "automatic operation", from the SIAC Signal Isolator option (Part No. 9600).

MOUNTING



WARNING! Make sure that the AC line is disconnected before installing the Auto/Manual Switch assembly.

1. Remove the rubber hole plug assembly that covers the Auto/Manual position by unscrewing the retainer nut that is located on the inside of the front cover.
2. Align the switch in the front cover hole and mount the Auto/Manual Switch assembly using the rubber boot that is provided. Do not over tighten the rubber boot hex nut. See Figure 1.

Note: The switch bushing should protrude approximately 0.15" (3.8mm) through the front cover.

3. Install the SIAC onto the PC board in accordance with the SIAC Installation and Operating Instructions Manual.

ELECTRICAL CONNECTIONS

1. Remove the jumper assembly that is installed on the FWD and STOP terminals of the PC board. Using pliers, gently rock the female terminals back and forth horizontally while pulling them upward. See Figure 2.
2. Install the gray wire from the center terminal of the Auto/Manual Switch assembly to Terminal "COM" on the KBAC PC board. See Figure 3, on reverse side.
3. Install the green wire from the bottom terminal of the Auto/Manual Switch assembly to Terminal "FWD" on the KBAC PC board. See Figure 3, on reverse side.

FIGURE 1 - MOUNTING THE AUTO/MANUAL SWITCH

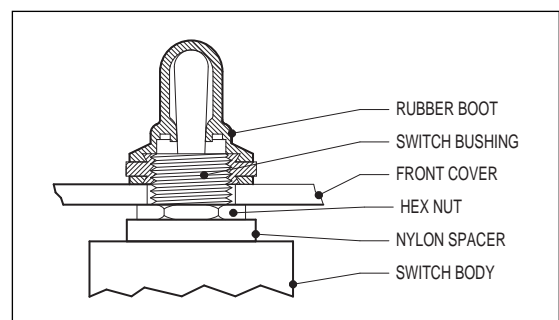
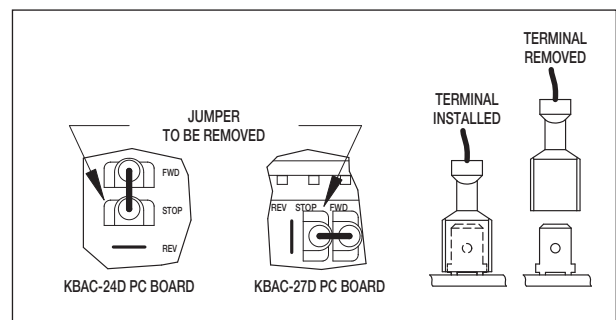


FIGURE 2 - JUMPER ASSEMBLY



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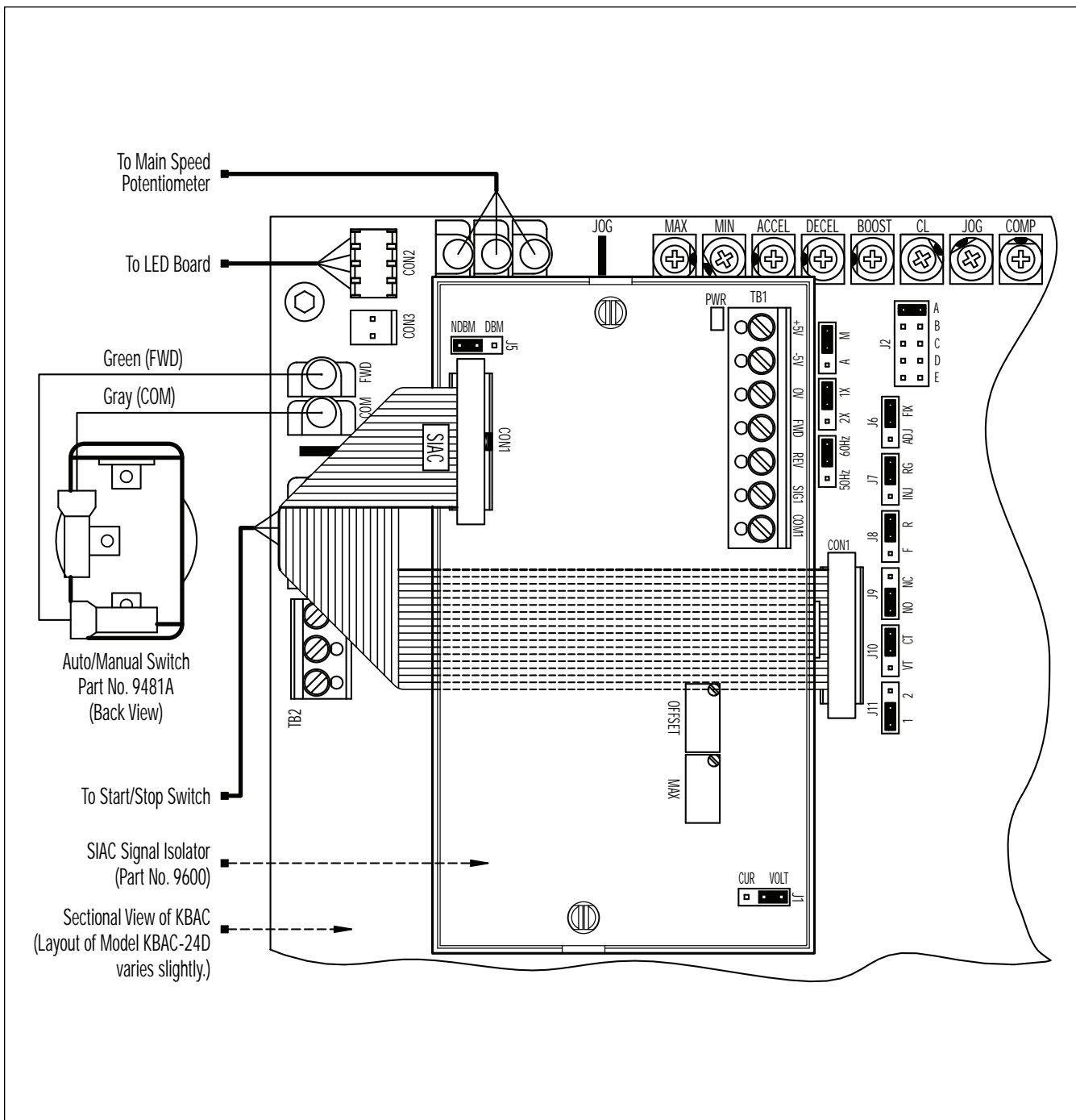
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FIGURE 3 – KBAC WITH SIAC SIGNAL ISOLATOR & AUTO/MANUAL SWITCH CONNECTION DIAGRAM



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