

# INSTALLATION INSTRUCTIONS

## AUTO/MANUAL SWITCH Kit (Part No. 8891)

for KBAC-217 Series and KBAC-416 Series Drives with SIAC-PS Signal Isolator with Power Supply (Part No. 8890)



### SAFETY WARNING! Please read carefully before proceeding.

This product must 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, fusing or other current protection, and grounding, can reduce the chance of electrical shocks, and/or fires, in this product or products used with this product, such as electric motors, switches, coils, solenoids, and/or relays. Do not use this drive in an explosion-proof application. Eye protection must be worn and insulated adjustment tools must be used when working with drive 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. It is the responsibility of the equipment manufacturer and individual installer to supply this Safety Warning to the ultimate end user of this product. (SW 8/2012)

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

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**Tools required: Hex wrench (supplied), pliers, and wire cutters.**

### DESCRIPTION

The Auto/Manual Switch Kit is designed to be installed on the front cover of the drive. It is used to select either the Main Speed Potentiometer for "manual operation" or a remove voltage following analog signal for "automatic operation", from the Signal Isolator.

### MOUNTING (See Figure 1)



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

1. Remove the rubber hole plug assembly that covers the Auto/Manual position. Use the Hole Plug Removal Instructions that are provided.
2. Mount the switch assembly into the front cover making sure the key in the mounting hole lines up with the keyway in the switch bushing. See Figure 1.
3. Install the rubber boot with integral hex nut over the switch lever. Switch should be in the stop position to facilitate installation. Use the Hex wrench that is provided to tighten the rubber boot hex nut. Do not overtighten.
4. Install the Signal Isolator onto the drive in accordance with the its Installation and Operating Instructions Manual.

### ELECTRICAL CONNECTIONS (See Figures 2)

1. Remove wire ties as needed.
2. Remove the jumper assembly that is installed on the Terminals FWD and STOP of the drive. Using pliers, gently rock the female terminals back and forth horizontally while pulling them upward.
3. Install the gray wire from the center terminal of the switch to Terminal COM on the drive.
4. Install the green wire from the bottom terminal of the switch to Terminal FWD on the drive.
5. Use the wire ties that are provided to secure the switch wires.

**Application Note:** If using this Auto/Manual Switch in conjunction with the Forward-Stop-Reverse Switch (Part No. 9480), the Forward-Stop-Reverse Switch must be connected to the SIAC-PS instead of the KBAC. Cut off all three insulated straight terminals from the end of the Forward-Stop-Reverse Switch wires. Strip the wires 1/4". Connect the white/green wire to Terminal 0V on TB1A, connect the white/yel-low wire to Terminal FWD on TB1B, and connect the white/red wire to Terminal REV on TB1B.

FIGURE 1 – MOUNTING

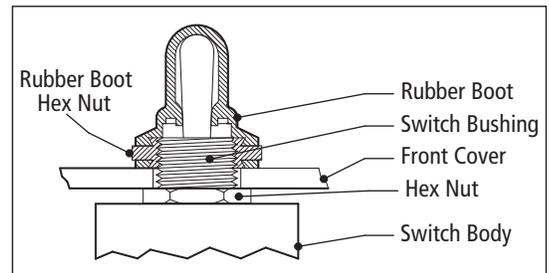
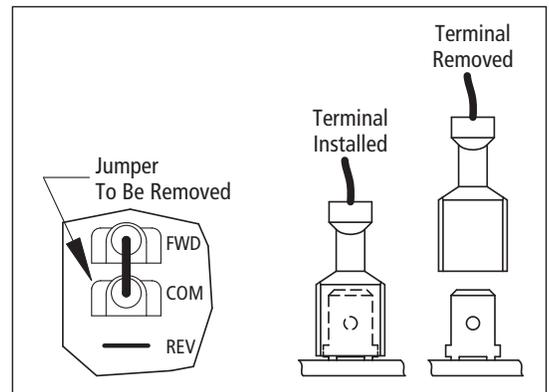


Figure 2 – Jumper Assembly



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