

INSTALLATION INSTRUCTIONS

RSACFSRS FORWARD-STOP-REVERSE SWITCH Kit (Stock No. 136-3130) for RSAC Series Drives



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)

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.

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

DESCRIPTION

The Forward-Stop-Reverse Switch kit is designed to be installed on the front cover of the drive. It is used to provide electronic reversing.

MOUNTING (See Figure 1)

WARNING! Make sure that the AC line is disconnected before installing the Forward-Stop-Reverse Switch Kit.

1. Remove the rubber hole plug assembly that covers the FORWARD-STOP-REVERSE 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.
3. Install the rubber boot with integral hex nut over the switch lever. Use the Hex Wrench that is provided to tighten the rubber boot hex nut. Do not overtighten.

ELECTRICAL CONNECTIONS (See Figures 2 and 3)

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

Application Note

If using this Forward-Stop-Reverse Switch in conjunction with the USACSIAC the Forward-Stop-Reverse Switch must be connected to the USACSIAC instead of the drive. Cut off all three insulated straight terminals from the end of the Forward-Stop-Switch wires. Strip the wires 1/4". Connect the white/green wire to Terminal 0V on TB1A, connect the white/yellow wire to Terminal FWD on TB1B, and connect the white/red wire to Terminal REV on TB1B.

Figure 1 – Mounting The Switch

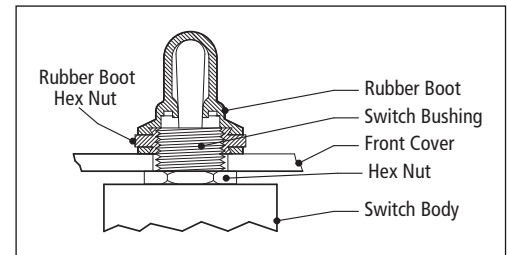


Figure 2 – Jumper Assembly

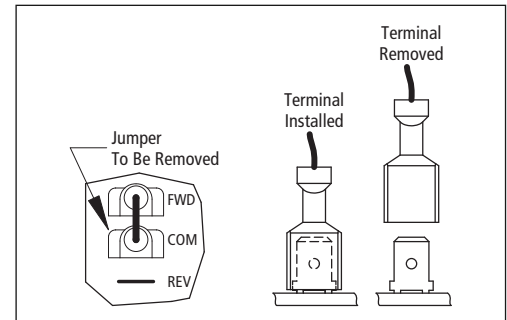


Figure 3 – Connection Diagram

