

# **peterson**

## **QUICK STEPS TO PROGRAMMING THE RC-150™ SWELL SHADE OPERATOR**

*This is intended as an abbreviated, “quick guide” to stepping you through programming the first time. We recommend that you actually perform each step on an RC-150 as you read this guide. You may refer to the main instruction manual for complete information.*

-From the normal operating screen or the “powerdown waiting” screen, the first step toward programming is always to press ENTER to get to the Main Menu.

-It is usually best to start from the factory default (standard) settings. These are set from the Program Menu along with other basic setups as follows:

-From the Main Menu press PROG to get to the basic Programming screens.

-Answer the first prompt by pressing CW (clockwise) or CCW (counter clockwise) to set the direction that the motors arm will move to open the shades in your particular system. Check the diagram on the front of the Control Module to see how these are defined. **Press N/C if you want to skip this step.**

-If the motor arm needs to be set to a new position for proper connection to the trace system when the shades are fully closed, answer the next question by pressing YES and read the instructions for how to adjust the position sensing potentiometer. This should be considered a gross adjustment. The precise final adjustment will be made later. **Press NO if you want to skip this step.**

-Answer both questions about restoring default values by pressing YES. After the main question you are asked “are you sure?” to confirm. Press YES each time to confirm. **Press NO once if you want to skip this step.**

-The first time through, you must establish the exact fully closed and fully open positions for the shades in your particular installation as follows. Answer the question about “...set/change the shade locations...” by pressing YES. Read the two alternating information messages, then press ENTER. Answer the next question by choosing PRESENT, then use the < or > button to move the shades to the proper fully closed position. Repeat for the fully open shade position. **Press NO after the initial question in this section if you intend to skip all setting of positions and fully open/ fully closed positions are already set properly.**

-The next series of messages will display numbers representing the location of the arm for each shoe position. This number represents a percentage of the full angular distance between the fully closed and fully open positions you have set. The motor arm automatically moves to the displayed position. These intermediate positions will automatically be set proportionate to the open and closed positions, which have already been set in an earlier step. Quite often, these default ratios will not need to be changed by the installer. If you want to change the settings, use the < or > button to move the shades and display the number you want. When the desired number is displayed press ENTER. Repeat for each shoe position. A brief message announcing that shoe position selection is complete will appear at the end of this step.

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- If you want an automatic demonstration of each shoe position, answer the next question by pressing the YES button. The shades will move and the shoe position numbers will appear on the screen for each stage until you press ENTER. **To skip the demonstration, press NO.**
  
- The factory settings for speeds may be appropriate without further adjustment. **To skip the speed adjustment section answer the next question by pressing NO.** If you want to change them, answer the question by pressing YES. When asked if you will select just one speed, answer NO. When asked if you wish to adjust speeds individually, press YES. Then select your choice of slow, medium, or fast speed for each increment of change, or press N/C (No Change) if the desired speed is already displayed. When you have completed this, you will be automatically returned to the Main Menu.
  
- Review the last of the basic settings by entering the Systems menu. To do this, from the Main Menu press ADV to enter the Advanced Menu and then press SYS. Answer the next question YES. Then follow the following five steps.
  - Choose the position that the shades should be in whenever the organ power is off. Select OPEN, CLOSED, or AS DETERMINED BY SHOE by pressing the appropriate button.
  
  - Indicate the shoe contact configuration by pressing OPEN for “make-to-open” contacts or CLOSE for “make-to-close” contacts.
  
  - Set the time that the arm must be stalled before the system automatically disconnects power to the gearmotor by pressing the INCRement or DECRe ment button to display the value in sixteenths of a second. The recommended value is 8/16th or 1/2 second. PRESS ENTER when the desired number is displayed.
  
  - In almost all cases, the factory setting for Stall Motion Sensitivity Distance is appropriate. Press ENTER without changing this number.
  
  - The Decel Braking Method should be set to ACTIVE for the most precise stopping positions or PASSIVE for smoother stopping with no electrical braking. Press the desired button. When you have completed this, you will be automatically returned to the Advanced Menu.
  
- It is very likely that the Swell Shade Operator will perform well in your installation after completing these steps. If you do wish to change how swiftly the shades move within slow, medium, or fast speed ranges, or if more adjustments are needed to create smooth deceleration of your shade system, press the RATES button from the Advanced Menu. To make adjustments relating to how quickly the system automatically compensates for varying loads, which may become an issue under mechanical resonance conditions such as when return springs are used, press the COMP button from the Advanced Menu. Refer to the main Installation Instructions manual for more specific information about the RATES and COMP adjustments.