

Kadee-RC #11220 & #11221 Technical Data 03/10/2020

The Kadee Remote Couplers #11220 & #11221 use a standard hobby servo. Following is some technical information for proper operation and obtaining the correct open & closed positions of the Kadee #11220 & #11221 Remote Couplers.

Open Position:

Applying a 1.75 ms pulse width signal will rotate the servo to the proper open position.

(note: Rotating the servo more than this can damage the linking chain)

Closed Position:

Applying a 1.25 ms pulse width signal will rotate the servo to the closed position. This will give slack in the chain so the coupler can swivel fully in both directions.

More great information on standard hobby servos can be found at this link.

<https://www.servocity.com/how-does-a-servo-work>

Kadee Remote Couplers 11220 & 11221 can be used with any encoder or receivers that provide an output for standard hobby servos. Care should be taken when setting up the Kadee Remote Coupler with other systems as excessive servo rotation can damage the linkage chain.

Use the following tip to safely adjust your systems servo Clockwise & Counterclockwise positions.

- 1) Note the correct Coupler Open & Coupler Closed positions in Figure #1.
- 2) Remove the Servo Linkage Arm Screw and mark the Open and Closed position as shown in Figure #2.
- 3) Take note of the Servo Linkage arms position then remove the arm and mark the splined shaft in the same orientation of the mark that is on the Servo Linkage Arm. Figure #3
- 4) Connect the Kadee Remote Coupler to your system. Follow your Systems instructions and adjust the open and closed stop points so they match the open & closed marks that you made in Steps 2 & 3.
- 5) Replace the Servo Linkage Arm and Screw in the same orientation that it was removed.

The Kadee Remote Coupler can now be safely operated with your system. Enjoy.

