

Arens Controls Hydraulic Lever Control C7 Series (C72)

The C7 Series differs from conventional hydraulic levers in that the friction plate bears on a two-inch radius arc rather than merely squeezing a small washer pad at the pivot point. This friction plate allows the operator to move the lever to a desired point and let go of it and it will remain in place. While these control levers can resist operating loads on the output portion of the handle, the operator can effortlessly move the lever. An optional center detent is available which gives a sensory feedback to the operator when they return the lever to center or pass through the center point.

The C7 Series are ideal for hydraulic or hydrostatic systems that require simple lever actuation of a cable.

The C7 Series is available with two different types of lever arms and two different handle knobs. In addition, the C7 Series is available with or without a steel bezel (sometimes called a Gate-Plate) depending on the Vehicle OEM requirements. Curtiss-Wright can develop custom steel bezels with text or icons based on the Vehicle OEM specifications to help alert the driver to position and function.

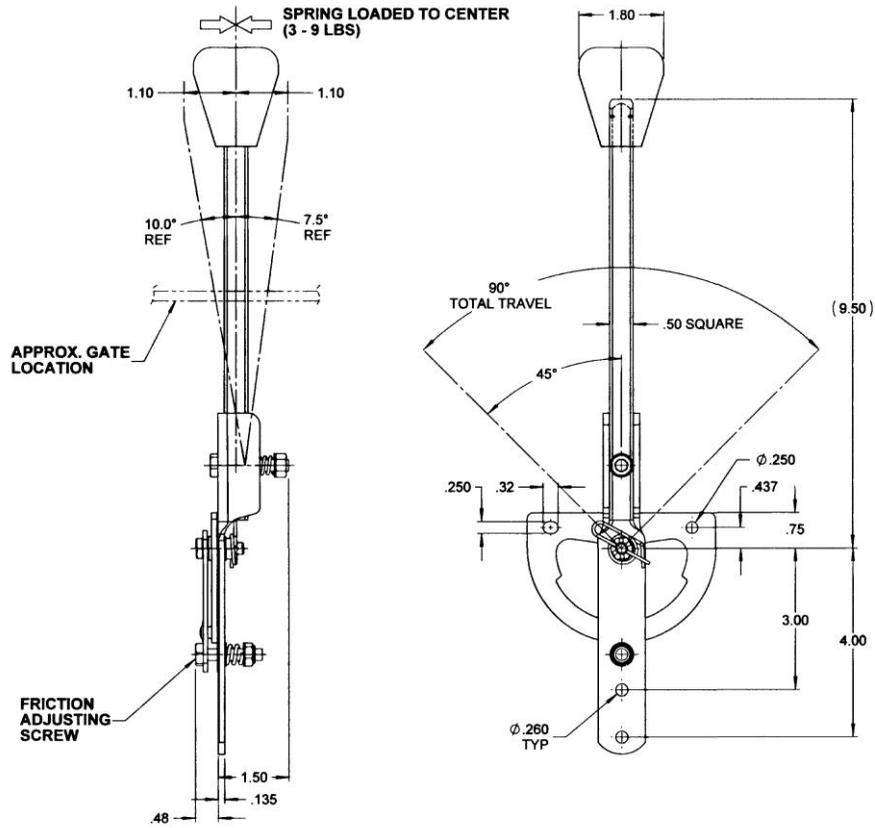
The lever arm has a 90° arc of travel, with 45° on each side of the center position. The lever arm can be shifted 7.5° to 10° left or right. This feature allows the Vehicle OEM to prevent the operator from freely moving from a reverse position to a forward position and usually requires a Z pattern in the Bezel or Gate Plate.



SPECIFICATIONS

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|---------------------|-------------------------------|----------------------------------|
| INPUT MOTION | Symmetrical | ±45° forward and back, 90° total |
| OUTPUT LOST MOTION | Preset at Factory | Less than 1° |
| OUTPUT STROKE | Push-Pull or Rod Linkage | Up to 4 inches (101mm) |
| FREE RUNNING TORQUE | Preset at Factory | 10 to 35 inch-pounds |
| FRICITION HOLD | Preset at Factory | 9 to 35 inch-pounds |
| DETENT BREAKOUT | Optional, preset at factory | 10 to 50 inch-pounds |
| CONTROL HANDLE | Small Ball Knob Large Knob | Standard Optional |
| MECHANICAL | Max operating load on Output | Up to 200 inch-pounds |

MECHANICAL DIMENSIONS – for spring loaded lever (mm)



MECHANICAL DIMENSIONS – for friction control assembly (mm)

