

Operation and Maintenance Manual for Joyce/Dayton Rotary Limit Switch Model LS7-402



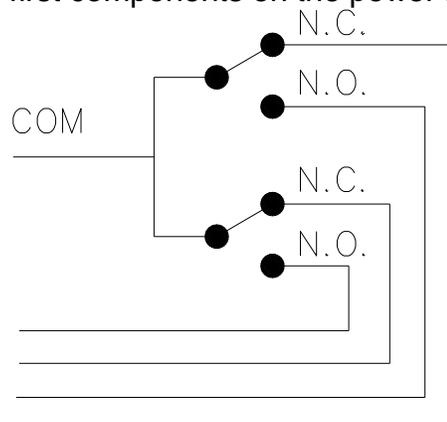
DESCRIPTION:

This rotary limit switch is designed to control the limits of travel of rotating reversing equipment.

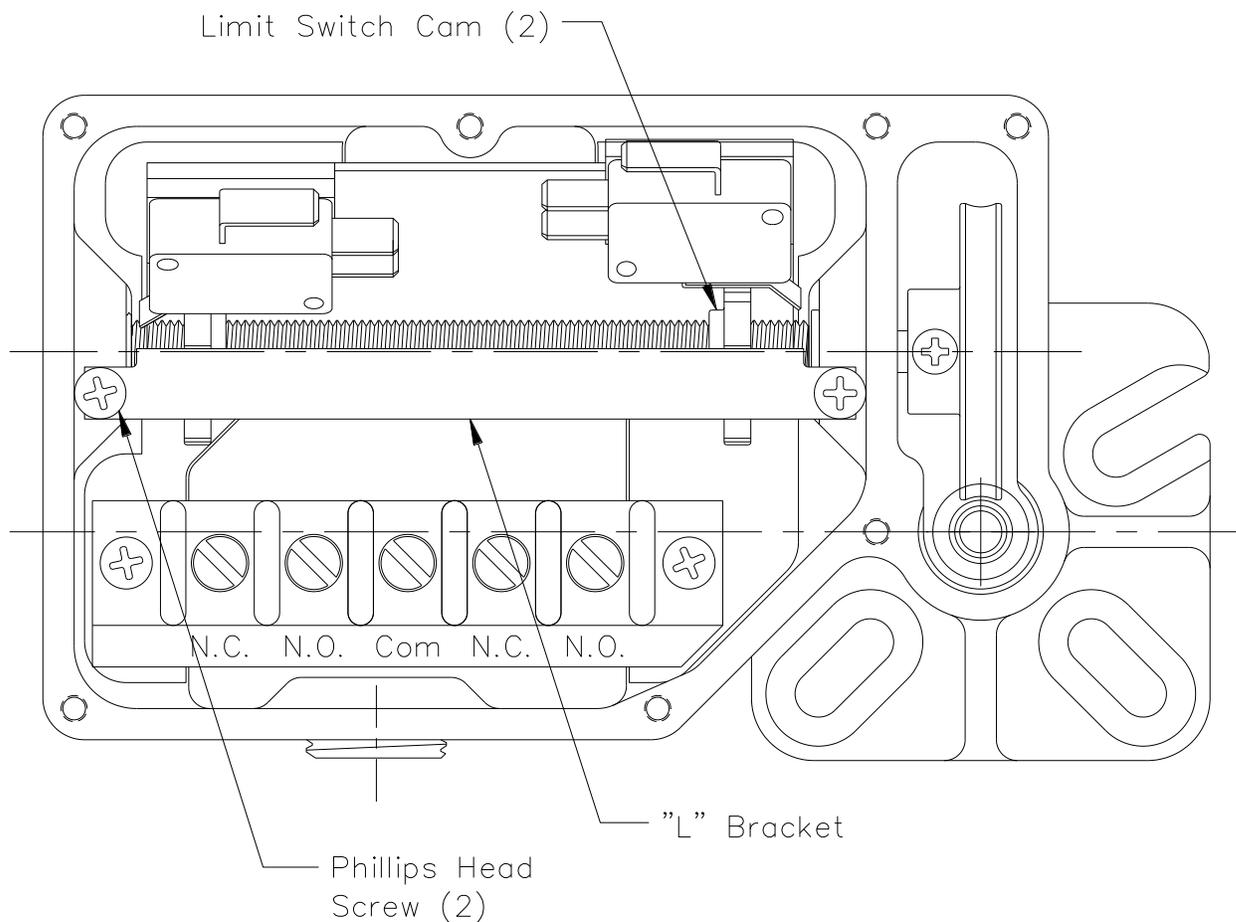
The limit switch input shaft is connected to a worm gear. Adjustable self-lubricating nylon roller cams are concentrically mounted to the worm gear. These adjustable cams actuate single pole double throw (S.P.D.T.) precision limit switch units.

**CAUTION: DISCONNECT ELECTRICAL POWER BEFORE REMOVING COVER.
DANGER OF SEVERE ELECTRICAL SHOCK.**

General information about wiring limit switches into a central circuit - The limit switch contacts must be the first components on the power rail since they share a common.

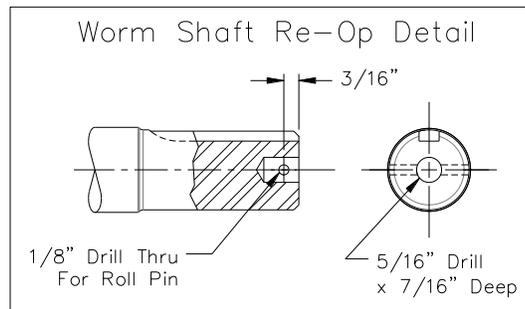


Directions for setting LS7-402 Limit switch

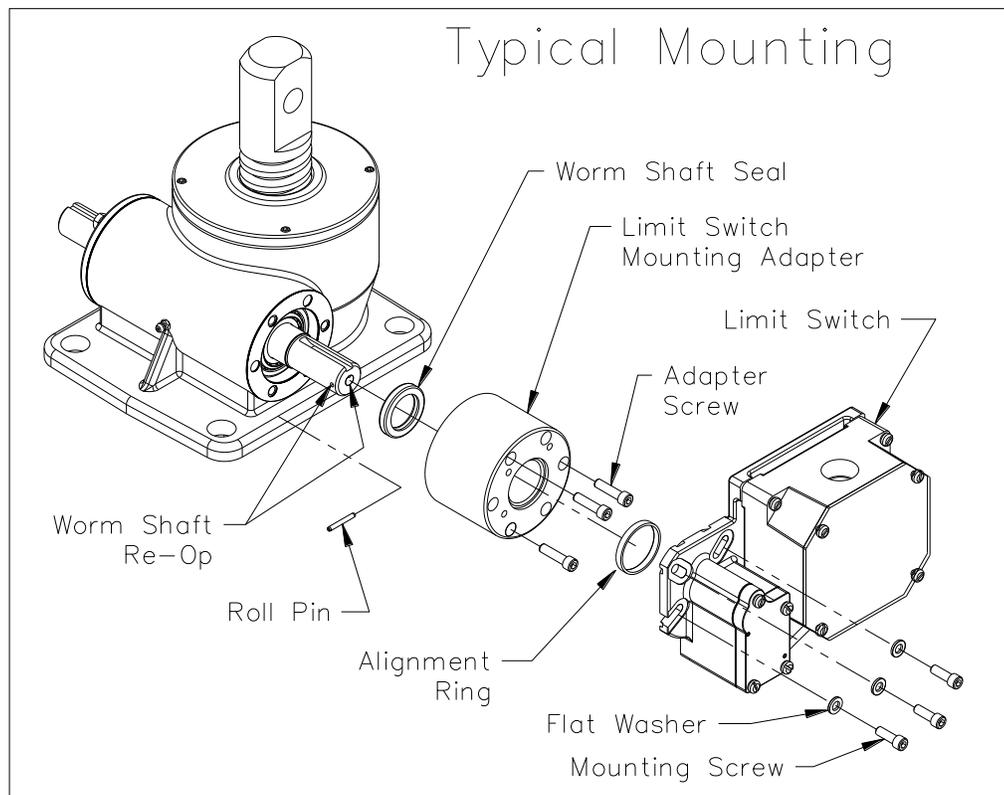


1. Remove Pan Head screws.
2. Remove the cover and gasket.
3. Remove the Phillips head screws.
4. Remove the "L" bracket. It is inserted into slots in the limit switch cams.
5. Rotate the cams to the center of the cam drive screw.
6. Replace the "L" bracket and activate the jack to its retracted position. Observe the direction of the cams as the jack approaches the retracted limit. This will determine which cam/switch controls the retracted limit. (It varies depending on which side of the jack the limit switch is mounted.)
7. Remove the "L" bracket and rotate the cam that controls the retracted position, until it engages the snap switch. You will hear a "click" and observe the switch depress.
8. Replace the "L" bracket in the slot closest to the desired retracted switch setting. (Mark with a permanent marker to positively identify the slot.)
9. Activate the jack to the desired extended position.

10. Remove the "L" bracket and rotate the cam that controls the extended position, until it engages the snap switch. You will hear a "click" and observe the switch depress.
11. Replace the "L" bracket in the slot closest to the desired extended switch setting. (Mark with a permanent marker to positively identify the slot.)
12. Activate the jack to verify that the extended and retracted positions are accurately set for your application. Follow the steps above to make fine adjustments as needed.
13. Replace the cover and gasket.



When field mounting limit switches it is important to be sure the jack worm shaft is machined to allow proper mounting of the limit switch housing.





Joyce Dayton Serial Number Tag

Contact Joyce Dayton Corporation and provide the serial number to obtain the product information needed for maintenance, repair and reorder.

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