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## Instructions

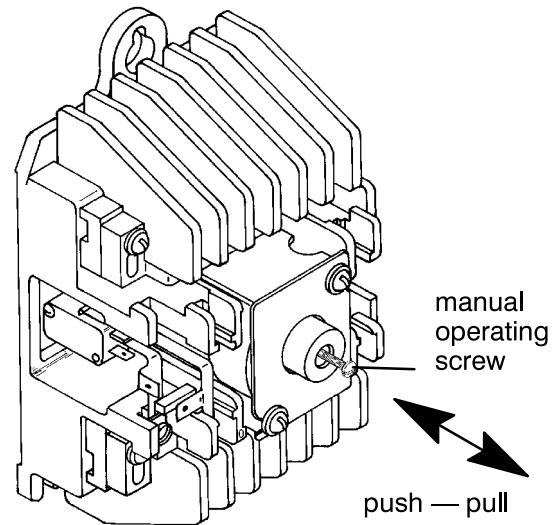
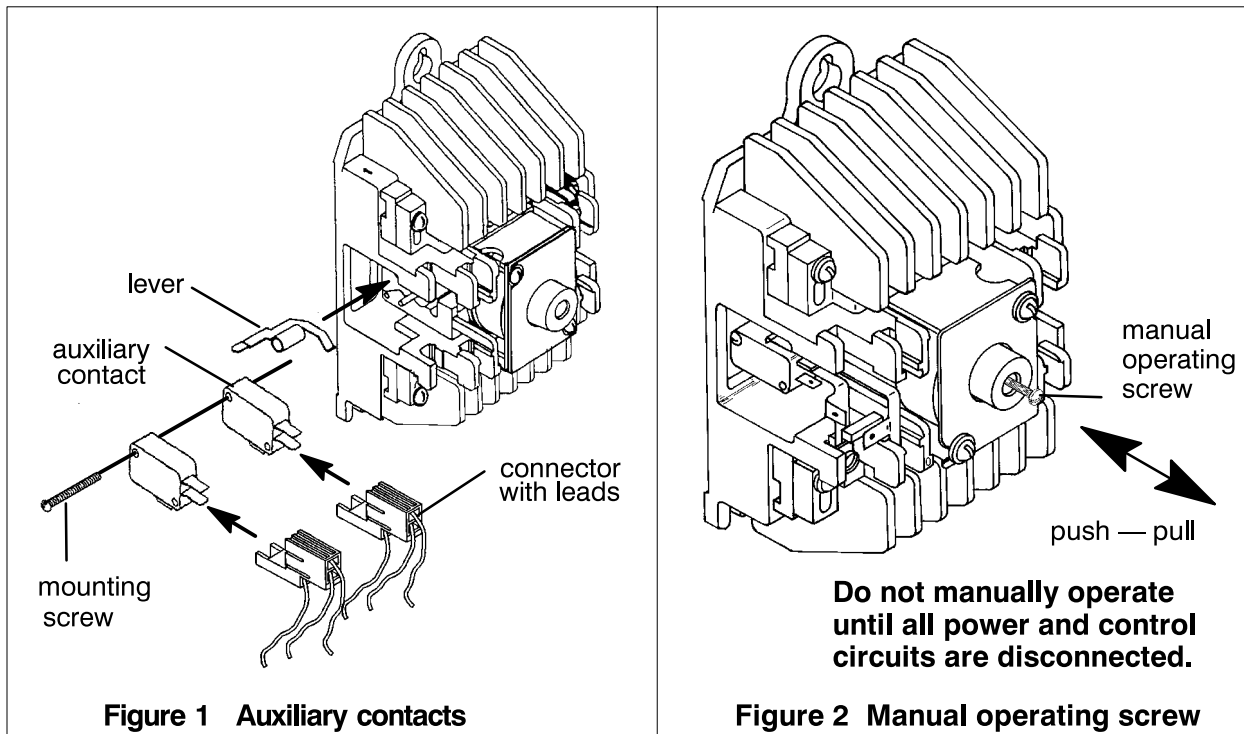
# Auxiliary Contact Kits 500LC-141C, 500LC-142C for Bulletin 500LC Lighting Contactors

Use these instructions to add optional auxiliary contacts onto Bulletin 500LC Lighting Contactors.

Auxiliary Contact	Contents of Kits (see Figure 1)				
Kit No.	Auxiliary Contacts	Connectors with Leads	Contact Lever	Mounting Screw	Operating Screw
500LC-141C	1	1	1	1 ( 5/8 in. long )	1
500LC-142C	2	2	1	1 ( 1-1/8 in. long )	1

These auxiliary contacts can be field installed on the left side of the lighting contactor. The auxiliary contacts operate along with the main contacts to provide remote indication of the lighting contactor position (closed or open).

Each auxiliary contact provides a form C, SPDT (single pole double throw) contact rated 10 amps at 277V AC. Modification 500LC-141C has one auxiliary contact, and modification 500LC-142C has two auxiliary contacts. A connector with leads is provided for each auxiliary contact. See Publication 500LC-IN001A-EN-P for contact configuration, additional ratings, and wiring.



**Do not manually operate until all power and control circuits are disconnected.**

## How to Install Auxiliary Contacts

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### CAUTION



To avoid personal injury or property damage, de-energize both line and control power connected to the Bulletin 500LC Lighting Contactor before proceeding.

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1. Open circuit breakers or other disconnecting means, then use a voltmeter to verify no voltage is present at both control and line terminal screws.
  2. Label, disconnect, and tape all wires (control, line, load) from the lighting contactor.
  3. Loosen the mounting screws and remove the Bulletin 500LC Lighting Contactor from the enclosure.
  4. Insert the plastic operating screw (from the kit) into the center of the coil and carefully turn it clockwise until the threads engage the cam/core. See Figure 2.
  5. Pull the operating screw outward to pull the cam/core up.
  6. Insert the lever (from the kit) into the left side of the lighting contactor. End of cylindrical section should fit flush into the lighting contactor. See Figure 1.
  7. Push the operator screw inward to push the cam/core down.
  8. Assemble the connector(s) with leads and auxiliary contact(s) from the kit.
  9. Insert the mounting screw through the auxiliary contacts(s) (far hole). Very carefully install the assembly onto the guide pin on the left side of the lighting contactor. Tighten the screw to only 4 in-lb.
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### ATTENTION



Do not overtighten the mounting screw !  
Remove manual operating screw after use !

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10. Use the operator screw to manually move the cam/core up and down and check operation of the auxiliary contact(s).
11. Remove the operator screw from the cam/core.
12. Reinstall the lighting contactor into the enclosure and tighten mounting screws.
13. Reconnect all wires previously removed. Tighten the control, line, and load connections to 18 in-lbs.
14. Close circuit breakers or other disconnecting means and check electrical operation of the lighting contactor.

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