ELLIOTT CONTROL

MAINTENANCE OF TYPE 201 CONTROLLERS

SCOPE This bulletin outlines our general recommendations on inspection, adjustments, safety precautions, tank handling, and contact maintenance, for the type 201 controllers. These controllers are for control of 2300-4160-volt motors or transformers. See Bulletin 1002 for Renewal Parts List.

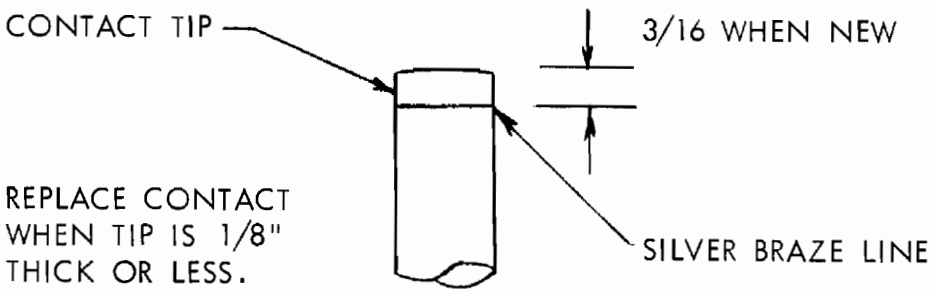
INSPECTION An external oil-indicator shows the contactor-oil level. At regular intervals, depending upon frequency of operation and other application conditions, open the controller and make a complete inspection of the oil condition, contacts, fuse clips, high voltage insulation, and other parts. As necessary, change the oil, clean the insulation, tighten fasteners, and replace damaged or worn parts.

ADJUSTMENTS Field adjustments are not normally required or recommended. The overload relays are adjusted and sealed at the factory. Do not disturb the relay adjustment. Check with us for recommended changes in fuse size, current transformers, and overload relay coils, in case of changed application. The contact travel and position of the contacts, are factory set. Contacts may be replaced, if necessary, without affecting the settings.

SAFETY PRECAUTIONS The controller is equipped with a safety-interlocked isolating switch. In order to open or close this switch, the control switch on the front of controller must be in the "Stop" position, and the controller door must be closed. Open the isolating switch to permit opening the controller door. The isolating switch may be padlocked open when working in the controller or on the circuit.

TANK HANDLING Each controller has a front-operated, gear-driven tanklifter. The tanklifter crank is detachable and should be stored in the toolholder on the door. The tank may be lowered to any position and, after lowering, detached from the lifter cables, if desirable. When raising the tank, be sure that the tank guide properly positions the tank and the lifter cables wind evenly.

CONTACT MAINTENANCE The Main contacts are silver-tungsten and these will have a slightly blackened and pitted appearance in normal operation. Contact wear is indicated by the thickness of the moving contacts which may be readily checked when the tank is lowered. Replace set of stationary and moving contacts when tip thickness is 1/8" or less. See sketch below.



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ELLIOTT CONTROL COMPANY
BURLINGAME, CALIFORNIA 94010