

INSTALLATION & SERVICING INSTRUCTIONS

040A SHOCKPROOF CONTACTOR

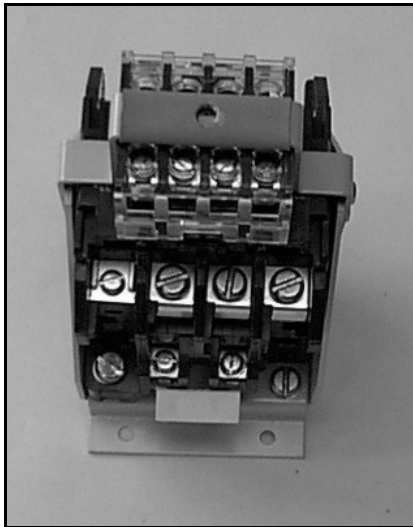


Fig. 1 040A Contactor with Top Adder

Fitting Top Adder

See Figure 2 below. Remove top shock cladding. Ensure that the red catch is withdrawn to its full extent. Offer top adder to front face of contactor with terminals numbers upright. Slide block downwards to fully engage contact carrier coupling hook and block interlock feet. Finally, lock into position by fully depressing red catch. Replace cladding.

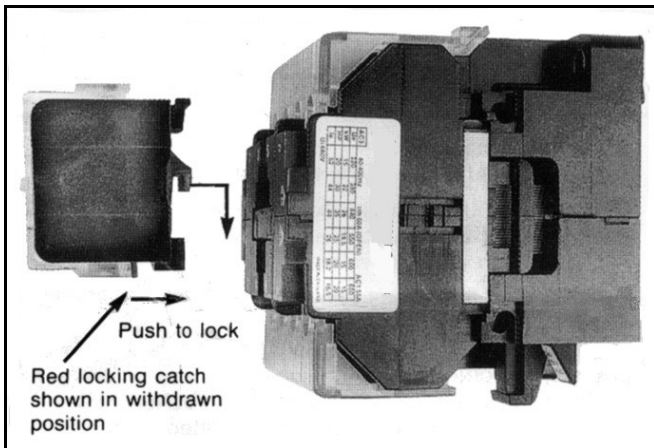


Fig. 2 Coupling of 4 Pole Auxiliary Top Adder

Top Adder Auxiliary Contacts

2 Normally Closed Contacts : 61/62 & 91/92
2 Normally Open Contacts : 73/74 & 83/84

Maintenance

No routine maintenance is necessary on these contactors. Contactor main and auxiliary contacts are designed to match the normal operating life expectancy of the unit, provided the device is correctly selected for its operational duty.

Coil Replacement – AC Operation

Disconnect any cabling connections and remove the shock cladding from the contactor along with the auxiliary contact block (if fitted). Detach both side spring clips at the base of the contactor, separate the main half body moulding to expose the coil (Fig. 3)

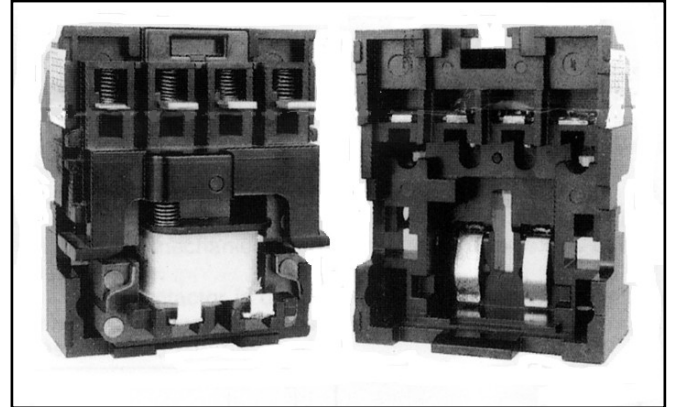


Fig. 3 Body Separated To Show Coil

Withdraw contactor interior complete from the main moulding and separate the magnet yoke to extract coil, taking care not to loose the two push off springs and rubber pads behind the yoke.

Select the correct replacement coil and assemble in the reverse order to above, ensuring that both push off springs are located in the carrier recess and on the pips projecting from the top flange of the coil bobbin. Install interior into main body of contactor ensuring rubber pad is correctly situated.

Important : The moving contact carrier must be replaced with its aperture at the top facing the same direction as the coil terminals, otherwise the half body mouldings will not fully close.

Operating Coil Replacement D.C. Operated

Before proceeding as for AC operated contactors it is necessary to remove the shock cladding with economy resistor and the side adder containing the late break contact. Before removal it is necessary to disconnect wire link at terminal 21.

It is essential that magnet armature and yoke of DC operated contactors are not in any way interchanged with AC operated magnet systems.

Note: DC operated magnets are identified by a black line.

For coil connections for DC operated contactor, see figure 10.

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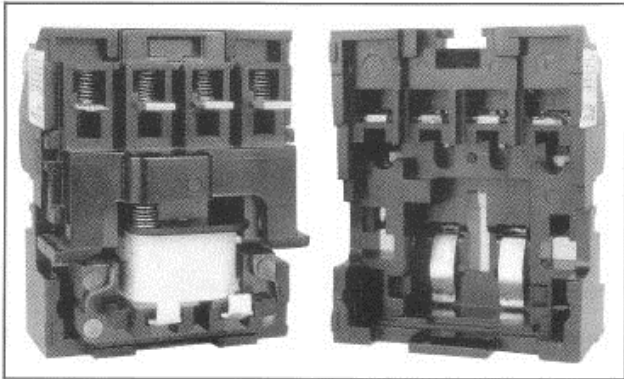


Fig. 9 Contactor open showing coil

Note: All wiring must be kept clear of economy resistors as these warm up in operation.

Spares

Replacement coils are available in a range of operating voltages. The most common voltages are :

Voltage	Part No.	NSN
115V 60Hz	Z274002/AH	6110-99-853-3319
440V 60Hz	Z274002/AJ	6110-99-111-0946

A complete replacement contactor (without shock cladding) is also available :

Voltage	Part No.	NSN
115V 60Hz	V18200/22/115	6110-99-301-5763
440V 60Hz	V18200/22/440	6110-99-917-1096

Top Adder : Part No. V18300, NSN 5999-99-769-2786

DC Operated Contactors

Please note that for DC operated contactors, the addition of a side adder and economy resistor to the right hand side, increase the overall width to 100mm. The fixing remain the same.

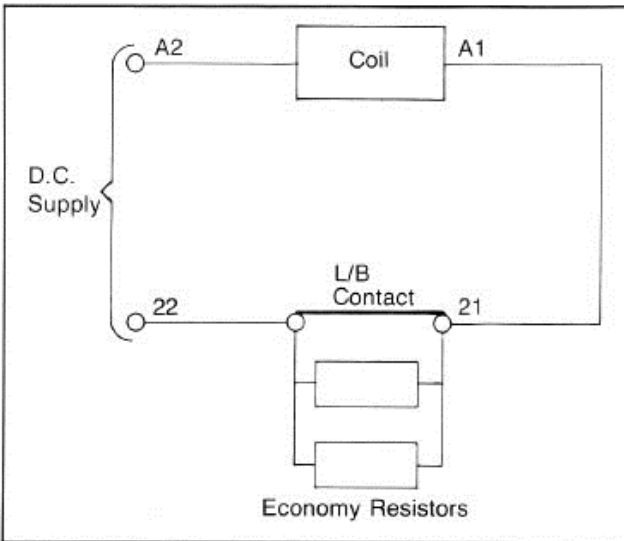
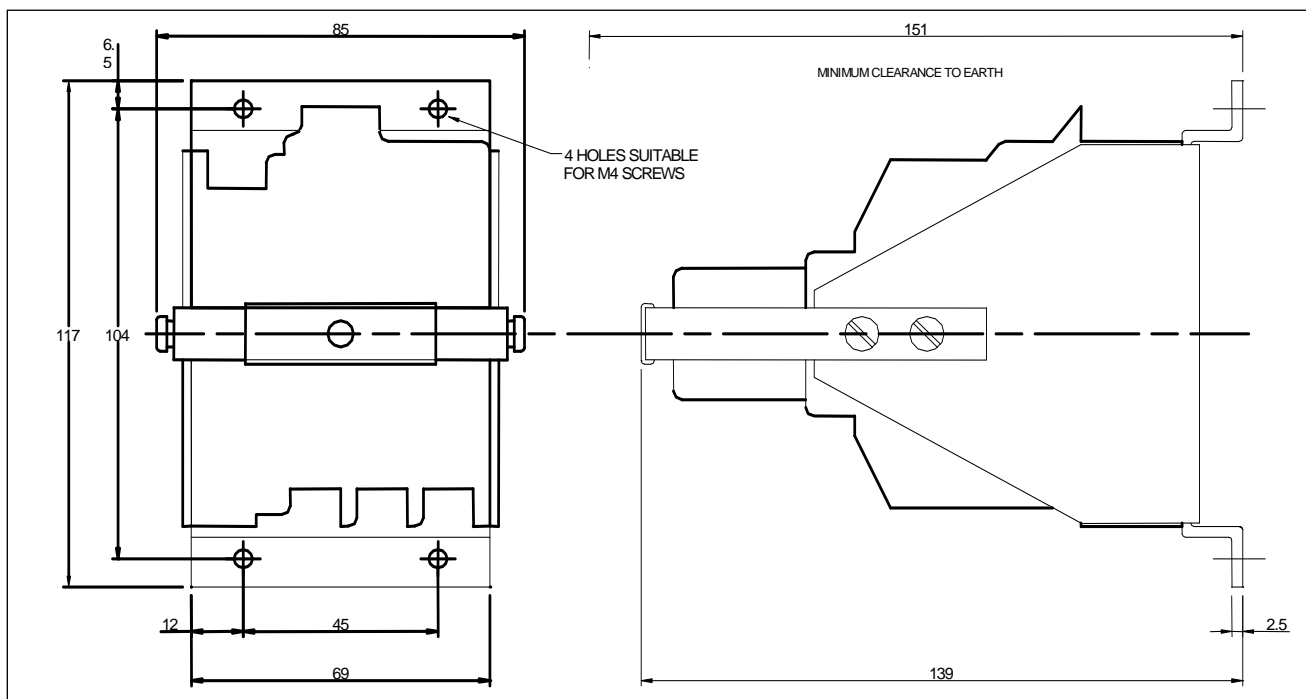


Fig. 10 Coil Connections for D.C. operating devices

Outline Dimensions & Fixings (AC Contactor)



Whippendell Marine