V★S DRIVES

INSTRUCTION SHEET D2-3250
DC2 V★S DRIVE FUSE KIT OPTIONS
(For all DC2 Controller models except DC2-71, 78, 91 and 98)

The products described in this Instruction Manual are manufactured by Reliance® Electric Industrial Company.

DANGER

ONLY QUALIFIED ELECTRICAL PERSONNEL FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THIS EQUIPMENT AND THE HAZARDS INVOLVED SHOULD INSTALL, OPERATE, AND/OR SERVICE THIS EQUIPMENT. READ AND UNDERSTAND THIS MANUAL IN ITS ENTIRETY BEFORE PROCEEDING. FAILURE TO OBSERVE THIS PRECAUTION COULD RESULT IN SEVERE BODILY INJURY OR LOSS OF LIFE.

DANGER

THE USER IS RESPONSIBLE FOR CONFORMING TO THE NATIONAL ELECTRICAL CODE AND ALL OTHER APPLICABLE LOCAL CODES. WIRING PRACTICES, GROUNDING, DISCONNECTS, AND OVERCURRENT PROTECTION ARE OF PARTICULAR IMPORTANCE. FAILURE TO OBSERVE THIS PRECAUTION COULD RESULT IN SEVERE BODILY INJURY OR LOSS OF LIFE.

DESCRIPTION

Each kit is supplied as an assembly with fuse (part # 64676-61AR), fuse holder, jumper wire and mounting hardware. The appropriate fuse kit should be selected on the basis of the controller model number per Table 1.

Table 1. Fuse Kit Selection.

Controller Model Number	Model Number	Fuse Current Rating (Amps)
All models (except DC2-40 Series and DC2-71, 78, 91 and 98).	F2DC2000	25
DC2-40 Series	F1DC2000	25
DC2-71 and DC2-78	F1DC2012 (Factory Installed Only)	25
DC2-91 and DC2-98	F1DC2412 (Factory Installed Only)	25

INSTALLATION

F1DC2000 Fuse Kit

DANGER

DO NOT INSTALL MODIFICATION KITS WITH POWER APPLIED TO THE UNIT. DISCONNECT AND LOCK OUT INCOMING POWER BEFORE ATTEMPTING SUCH INSTALLATION. FAILURE TO OBSERVE THIS PRECAUTION COULD RESULT IN SEVERE BODILY INJURY OR LOSS OF LIFE.

DC2-40 Series:

1. Disconnect and lockout all incoming power to the DC2 Controller.
2. Use a Phillips head screwdriver to remove the four (4) screws from the faceplate of the Controller.
3. Place the faceplate to the side of the Controller.
4. Use a Phillips screwdriver to remove the two (2) screws from the blank panel located at the top of the Controller.
5. Place the fuse kit assembly in place of the blank panel removed in step 4 and then install the fuse kit assembly using the two (2) screws removed in the previous step.
6. Remove the jumper wire between L1 and 51.
7. Using a flathead screwdriver, connect the wire labeled "51" to terminal 51 of the Controller.
8. Using a flathead screwdriver, connect the wire labeled "L1" to terminal L1 of the Controller.
9. Install the fuse into the holder.
10. Place the faceplate on the controller and then install the four (4) screws removed in step 2 of this procedure.

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F2DC2000 Fuse Kit

DANGER

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(Refer to Figure 1 for fuse kit connections.)

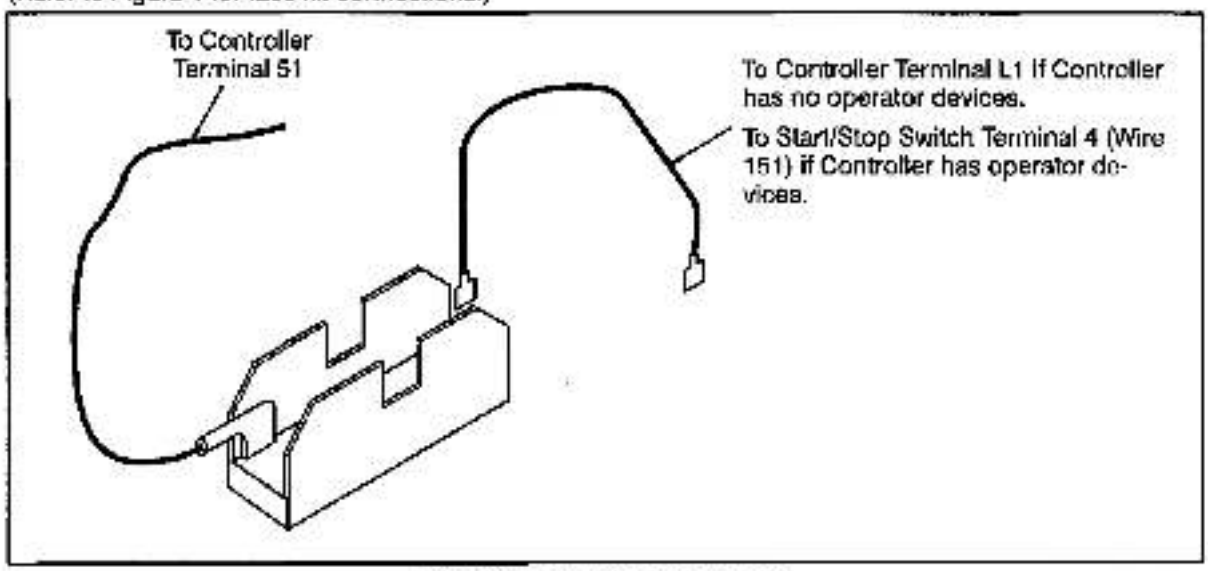

Figure 1. Fuse Kit Connections.

DC2-50 Series:

1. Disconnect and lockout all incoming power to the DC2 Controller.
2. Place the fuse holder over the pre-drilled holes on the chassis and then install using the two taptite screws provided in the plastic bag with this kit.
3. Remove the jumper wire between L1 and 51.
4. Using a flathead screwdriver, connect the wire labeled "51" to terminal 51 of the Controller.
5. Cut the lug from the end of the fuse kit wire labeled "L1" and then strip 0.5 inch of insulation in preparation for connection.
6. Using a flathead screwdriver, connect the wire labeled "L1" to terminal L1 of the Controller.
7. Install the fuse into the holder.

DC2-60 and DC2-80 Series:

1. Disconnect and lockout all incoming power to the DC2 Controller.
2. Use a phillips head screwdriver to remove the four (4) screws from the faceplate of the Controller.
3. Place the faceplate on the side of the Controller to gain access to the pre-drilled holes located above the grounding bar.
4. Install the fuse holder assembly on the chassis above the grounding bar (below the Regulator board) using the two taptite screws provided in the plastic bag with this kit.
5. Remove the jumper wire between L1 and 51.
6. Using a flathead screwdriver, connect the wire labeled "151" to terminal 51 of the Controller.
7. Using a flathead screwdriver, connect the jumper wire (labeled "L1") to terminal L1 of the Controller.
8. Install the fuse into the holder.
9. Place the faceplate on the controller and then install the four screws removed in step 2 of this procedure.

DC2-70 and DC2-90 Series (DC2-71, DC2-78, DC2-91 and DC2-98 are not included):

1. Disconnect and lockout all incoming power to the DC2 Controller.
2. Use a phillips head screwdriver to remove the four (4) screws from the faceplate of the Controller.

3. Place the faceplate on the side of the controller to gain access to the pre-drilled holes located above the grounding bar.
4. Install the fuse holder assembly on the chassis using the two taptite screws provided in the plastic bag with this kit.
5. Remove the existing wire labeled "151" from terminal 51 of the Controller and terminal 4 of the Start/Stop switch.
6. Using a flathead screwdriver, connect the wire labeled "51" to terminal 51 of the Controller.
7. Connect the wire labeled "151" to the bare terminal (terminal 4) of the Start/Stop switch.
8. Install the fuse into the holder.
9. Place the faceplate on the Controller and then install the four (4) screws removed in step 2 of this procedure.

REFERENCE DOCUMENTATION

D2-3231 Installing, Operating and Maintaining DC2 V*S Drive

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