MagneTek Drives & Systems

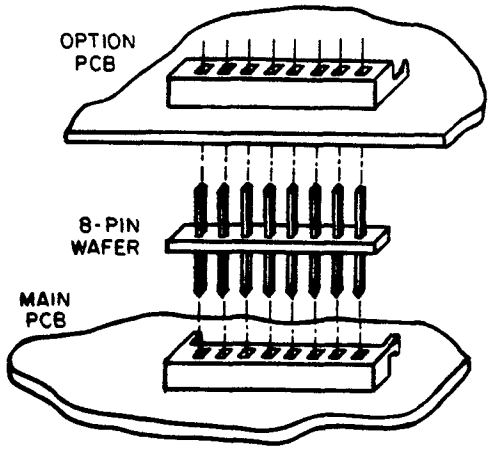
For use with Lancer I
Variable Frequency Drives.

115 VAC INTERFACE OPTION PCB

46S02512-0010 SCHEMATIC 45S02512-0010
46S02512-0030 SCHEMATIC 45S02512-0030

DESCRIPTION

The basic Lancer I drive provides a limited capacity -24 VDC power supply (available at 1TB-A1), for customer control logic circuits. The addition of pilot indicating lights, more relay functions, completely isolated control logic, or customer preference may require the use of 115 VAC control. The 115 VAC Interface option provides for use of 115 VAC power with the same control functions available with the basic -24 VDC control, in addition to relay logic associated with external RUN and FAULT indicators.



INSTALLATION

The 115 VAC Interface PCB mounts to three standoffs located on the right side of the Rectifier Main PCB (Refer to Figure 7-3 in the Instruction Manual). Connnection is made to the Rectifier Main PCB thru 106CONN A and B. No connections are made to the Inverter Main PCB. To install the 115 VAC Interface PCB, first install the standoffs onto the Rectifier Main PCB. Next, insert 8-pin wafers into 106CONN A and B on the Rectifier Main PCB (see illustration). Locate the 115 VAC Interface PCB so that pins on the wafer are lined up with holes on the back of the PCB behind 106CONN A and B. Then push the PCB onto the wafer pins and standoffs.

INTERCONNECTION

Terminal boards 4TB-A and 4TB-B, located on the right side of the 115 VAC Interface PCB, provide for customer connection of control logic and are to be used instead of 1TB-A and 1TB -B when 115 VAC circuitry is used. For wire routing and interconnection details for standard OCS configurations, refer to the interconnect diagrams provided with these instruction sheets. For non-standard orders where the 115 VAC Interface PCB has been factory installed, refer to the interconnection diagrams provided with the Instruction manual.

If the 115 VAC Interface PCB is being added on after the drive has been installed, refer to Section 1.2 in the Instruction Manual for instructions on how to update the 53SL number. A simplified diagram in the form of a pastie has been included with the 115 VAC Interface PCB. Modify the Signal Flow Diagrams in the Instruction Manual by pasting the pastie in position on Sheet 3.

CHANGE RECORD					DWG. NO. 02Y00025-0122
1	STD-2426 12/18/85				SHEET 1 OF 2
2	STD2582 7/14/86				EFF. 12/18/85
3	STD-2718 9-17-87 Rev.				

ADJUSTMENTS

There are no adjustments on the 115 VAC Interface PCB. Once the 115 VAC Interface PCB has been installed, perform the adjustments in Section V of the Instruction Manual.