NOTE: 1. X-X AXIS FEEDBACK
    Y-Y AXIS FEEDBACK
    Z-Z AXIS FEEDBACK
    S-SPINDLE FEEDBACK
    X-X AXIS SCALE
    Y-Y AXIS SCALE
    Z-Z AXIS SCALE
    A-A AXIS FEEDBACK
    B-B AXIS FEEDBACK
    C-C AXIS SCALE

2. FOR V300 ROTARY TABLE USE ELE-1242 CONTROL MODULE
FOR THE PROBE OPTION
CONNECTOR X121 IS
PRE-WIRED WITH 8451
WIRE. PIN 10-0V BLACK,
PIN 9-SIGNAL RED.

SIEMENS 810D

ELE-1081

L1  120VAC
N  RET  +24V  GND  +24V  GND  +24V  GND

ELE-0309 4.7K

RED  1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21
BLK

8451

ELE-1095 or ELE-1134

Fadal
TS-27 PROBE SIEMENS
WIRING DIAGRAM

BRC-0035
**For X, Y, Z Scale 810D 5M**
Heidenhain Cable 310-131

<table>
<thead>
<tr>
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<th>COLOR</th>
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<tbody>
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<td>4</td>
<td>Green</td>
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**VH65 Rotary Table Scale/ X, Y, Z Scale 840D 5M**
Heidenhain Cable 310-131

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**V300 Rotary Table Scale 7M**
Heidenhain Cable 309 777 07

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<td>11</td>
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<tr>
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<td>White-Green</td>
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</table>

**Note:** Outer shield connected to connector housing for all cables.
T-812 240 VAC (SINGLE PHASE) AC

NOTES:
1) MEASURE ACTUAL VOLTAGE MUST BE 230-240 VAC
2) 100:2 TRANSFORMER BOARD MUST BE CONNECTED TO THE INPUT.
3) TRANSFORMER OUTPUTS: 100V SINGLE PHASE 15A AMP PER PHASE
4) TRANSFORMER RATINGS: 5 KVA, FOR 240V AC BRUSHLESS MACHINES
5) TRANSFORMER CONNECTIONS:
   PRIMARY HAS NO TAPS: INPUT 240V 1-PHASE
   SECONDARY (400 VOLT CENTER TAPPED)
   ID = 400 VOLT CENTER TAPPED, 400V 1-PHASE
   A/B/C = 400 VOLT CENTER TAPPED, 400V 1-PHASE
6) SINGLE PHASE CONNECTION RESULTS IN SUBSTANTIALLY REDUCED OUTPUT FROM THE TRANSFORMER.
   PRIMARY - 240V SINGLE PHASE RATED AT 60A
   SECONDARY - 400V SINGLE PHASE RATED AT 60A
   DIRECT FROM LINE WITH INDUCTIVE FILTERING.

8.5 X 11
NOTE:
1. Install the Ethernet card into the PC chassis frame in 32MP control.
2. Install the connector plate on the right bottom side of CNC cabinet for standard sheet metal and on the left bottom side of CNC cabinet for SLANT 98.
3. If the PC mother board is ETHERNET ready, connect the ETHERNET cables to the appropriate terminals on mother board.
MP12/TS27 PROBE WITH
FADAL 3 PROBE INTERFACE
BOARD 1570-1

NOTE:
1. SET SWITCH SW2 (#3) IN M12 INTERFACE UNIT TO THE AUTO START POSITION.
2. INSTALL THE FOLLOWING ELEMENTS ON 1100-1 BOARD:
   - FUSE AGC-2 - F10, F29, F40.
   - SOLID STATE RELAY - K16, K41.
   - CIRCUIT BREAKER 2.5A - CB1
3. TO ACTIVATE THE PROBES USE THE FOLLOWING COMMANDS:
   - MP12 PROBE - M64. M66
MP11/TS27 PROBE WITH
FADAL 3 PROBE INTERFACE
BOARD 1570-1

NOTE:
1. SET SWITCH SW2 (#3) IN MI12 INTERFACE UNIT TO THE AUTO START POSITION.
2. INSTALL THE FOLLOWING ELEMENTS:
   ON 1100-1 BOARD:
   FUSE AGC-2 - F10, F29, F40
   SOLID STATE RELAY - K16, K41
   CIRCUIT BREAKER 25A - CB1
3. TO ACTIVATE THE PROBES USE THE FOLLOWING COMMANDS:
   MP12 PROBE - M64,M66
**NOTE:**
1. INSTALL FUSE F29 AGC 2 AND CIRCUIT BREAKER CB1 2.5A ON 1100-1 BOARD.
2. SET SWITCH SW2 (#3) IN MI12 INTERFACE UNIT TO THE AUTO START POSITION.
TOP RIGHT PANEL

INSTALL CONNECTOR USING 4-40 x .50 SCREWS
INSTALL CAP TO ONE SCREW

CONNECTOR SUPPLIED WITH WIRE HARNESS
NOTE:
1. INSTALL FUSE F11 (AGC 2) AND SOLID STATE RELAY K17 (GREEN) ON 1100-1 BOARD.
2. USE GLENTEK AMPLIFIER AMP-0040 FOR V300 AND AMP-0020 FOR VH65.
3. INSTALL JUMPER ON 4th AXIS AMPLIFIER IN J5 BETWEEN LIMIT & LIMIT (20 AWG RED).
4. INSTALL FUSE 20A ONTO AXIS AMP. CHASSIS IN 4th AXIS FUSE HOLDER.
5. FOR V300 ROTARY TABLE INSTALL SCALE BOX.
FOR VMC 2216, 3016, 3020, 4020, 6030, 8030.