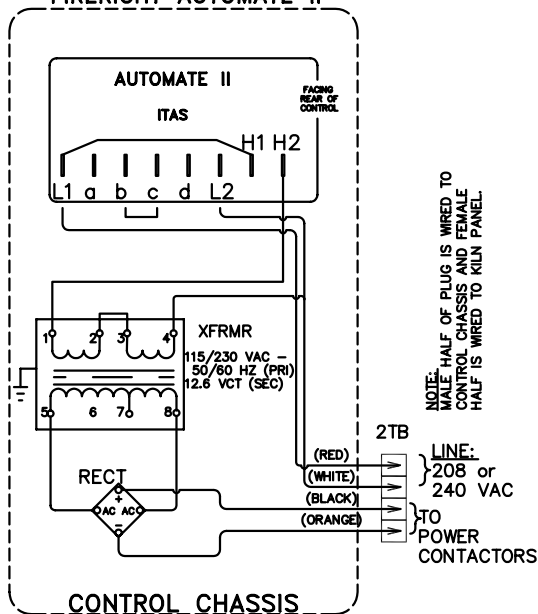


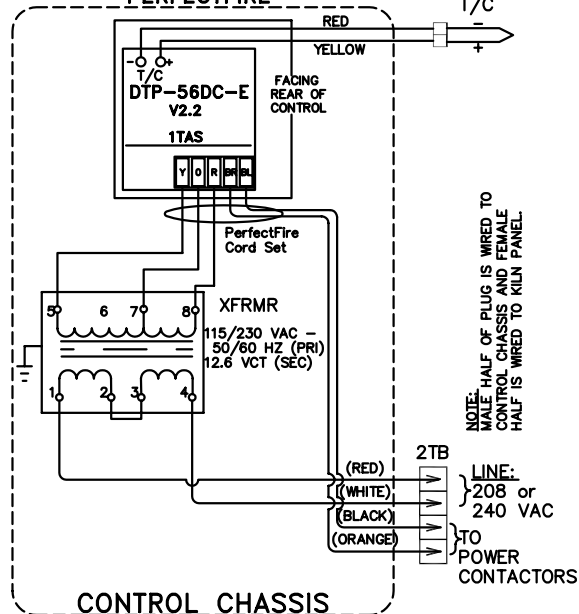
A:

### OPTIONAL CONTROL: FIRERIGHT AUTOMATE II



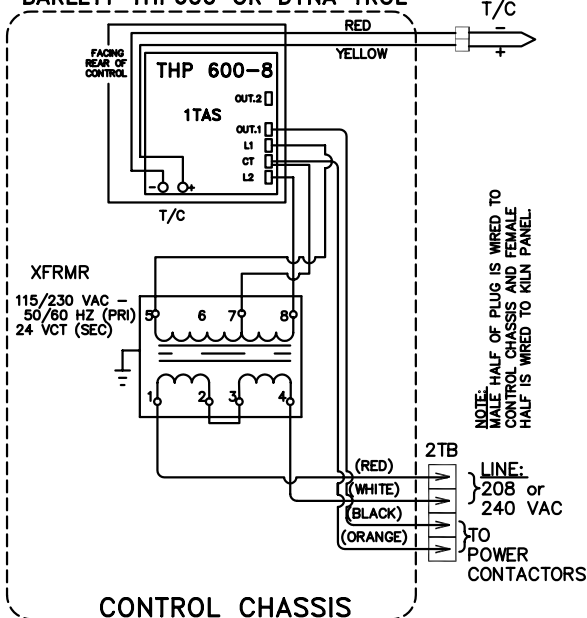
B:

### OPTIONAL CONTROL: PERFECTFIRE



C:

### OPTIONAL CONTROL: BARLETT THP600 OR DYNA TROL



**TO CONVERT TO AUTOMATIC CONTROL:**  
Unfasten Control Chassis from Instrument Panel, and pull Chassis out enough to gain access to 2TB Modular Plug. Uncouple Jack from Socket, then pull Control Chassis all the way out, and Slide **AUTOMATIC CONTROL CHASSIS** in. Attach Jack to Socket, fasten Chassis, insert Thermocouple, and you are finished!

### ELECTRICAL PARTS LIST

| SYMBOL                                    | QTY | DESCRIPTION                    | SHOP PART NO.                      | CUSTOMER PART NO.          |
|-------------------------------------------|-----|--------------------------------|------------------------------------|----------------------------|
| <b>OPTION A: Fireright AUTOMate II</b>    |     |                                |                                    |                            |
| 1TR                                       | 1   | AUTOMATE II AUTO TURN UP       | T-TUP-AUTOMT-A1                    | N-G-A000/00                |
| XFRMR                                     | 1   | STEP DOWN TRANSFORMER: 12 Volt | E-TRD-212VAS-A1                    | L-G-TR12/00                |
| RECT                                      | 1   | BRIDGE RECTIFIER               | E-RCT-02100X-A1                    | L-G-BRIG/RF                |
| 2TB-M                                     | 1   | WIRESET w/ MALE CONNECTOR      | (COMPOSITE)                        | L-B-WRST/ML                |
| 2TB-F                                     | 1   | WIRESET w/ FEMALE CONNECTOR    | (COMPOSITE)                        | L-B-WRST/FM                |
| <b>OPTION B: PERFECT FIRE</b>             |     |                                |                                    |                            |
| 1TAS                                      | 1   | PERFECT FIRE DTP-56DC-E        | T-CPC-CDTXX-A1                     | N-G-P000/00                |
| XFRMR                                     | 1   | STEP DOWN TRANSFORMER: 12 Volt | E-TRD-212VAS-A1                    | L-G-TR12/00                |
| T/C                                       | 1   | THERMOCOUPLE (14 Ga - 18")     | (COMPOSITE)                        | T-B-1814/00                |
| 2TB-M                                     | 1   | WIRESET w/ MALE CONNECTOR      | (COMPOSITE)                        | L-B-WRST/ML                |
| 2TB-F                                     | 1   | WIRESET w/ FEMALE CONNECTOR    | (COMPOSITE)                        | L-B-WRST/FM                |
| <b>OPTION C: BARTLETT THP600/DYNATROL</b> |     |                                |                                    |                            |
| 1TAS                                      | 1   | BARTLETT THP600-8 or DYNA TROL | T-CPC-TTHTXX-A1<br>T-CPC-TTHTXX-A2 | N-G-T000/00<br>N-G-D000/00 |
| XFRMR                                     | 1   | STEP DOWN TRANSFORMER: 24 Volt | E-TRD-206VAS-B1                    | L-G-TR24/00                |
| T/C                                       | 1   | THERMOCOUPLE (14 Ga - 18")     | (COMPOSITE)                        | T-B-1814/00                |
| 2TB-M                                     | 1   | WIRESET w/ MALE CONNECTOR      | (COMPOSITE)                        | L-B-WRST/ML                |
| 2TB-F                                     | 1   | WIRESET w/ FEMALE CONNECTOR    | (COMPOSITE)                        | L-B-WRST/FM                |

|                                           |                                              |                                              |
|-------------------------------------------|----------------------------------------------|----------------------------------------------|
| REV#                                      | DATE                                         | REVISION DESCRIPTION                         |
| A                                         | 11/2/09                                      | UPDATED LOGO, ADDRESS, TITLE BLOCK, & BORDER |
| 0                                         | 7/22/96                                      | MISC AS-BUILT CHANGES                        |
| 505 SHARPTOWN ROAD<br>SWEDSBORO, NJ 08085 | PHONE: (856) 294-0077<br>FAX: (856) 294-0070 |                                              |
| <b>Kilns</b><br>hotkilns.com              |                                              |                                              |
| B MODELS:<br>WIRING DIAGRAM               |                                              |                                              |
| AUTOMATIC CONTROL OPTIONS                 |                                              |                                              |
| DRAWN BY                                  | REV. CODE                                    | DRAWING NO.                                  |
| S.F.M.                                    | A                                            | K050-101                                     |
| DATE                                      | SCALE                                        |                                              |
| 12/11/95                                  | 1 = 8                                        |                                              |
| CHK                                       | APP                                          |                                              |
| JOB NO                                    | SER NO                                       | SHEET NO.   OF                               |
| FILE NAME                                 | MADE FROM                                    |                                              |
| L:\E\ILLKILN_(INACTIVE)\B-MODEL           | K050-100.dwg                                 |                                              |