

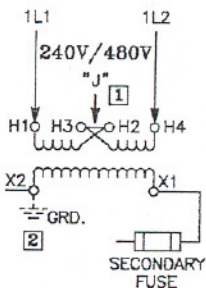
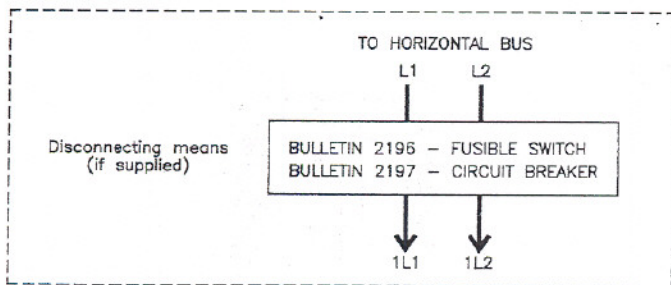


# CENTERLINE® MOTOR CONTROL CENTERS

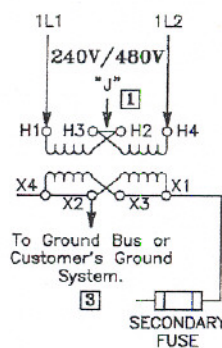
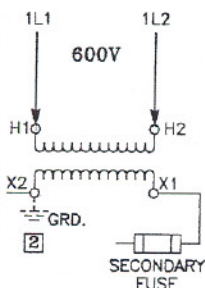
## Bulletins 2195, 2196 & 2197 • Single Phase Transformers

- BULLETIN 2195 - TRANSFORMER WITHOUT DISCONNECTING MEANS
- BULLETIN 2196 - TRANSFORMER WITH FUSIBLE DISCONNECT SWITCH
- BULLETIN 2197 - TRANSFORMER WITH CIRCUIT BREAKER

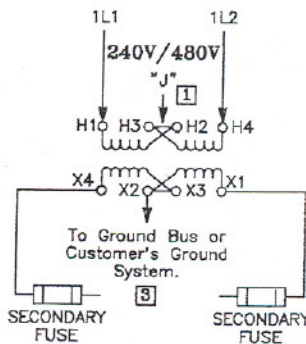
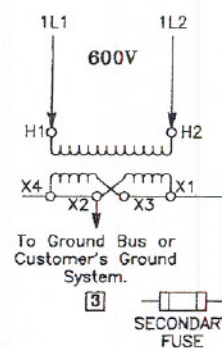
| ALLEN-BRADLEY REFERENCES |   |
|--------------------------|---|
| <b>GENERAL NOTES</b>     |   |
| 1                        | For 480 volt line, connect as shown. For 240 volt line, remove jumper "J" and connect "H1" to "H3" and "H2" to "H4".  |
| 2                        | Transformer is factory grounded to enclosure at "X2".   |
| 3                        | Transformer is factory grounded to horizontal ground bus. Customer must ground transformer if horizontal ground bus is not present in motor control center. |



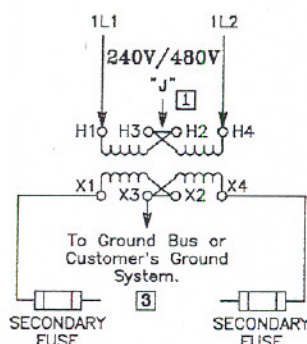
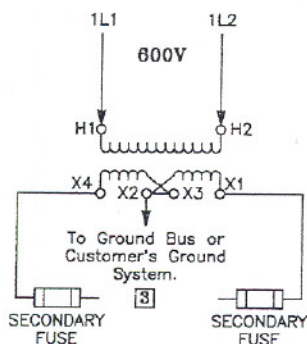
0.5KVA thru 2KVA



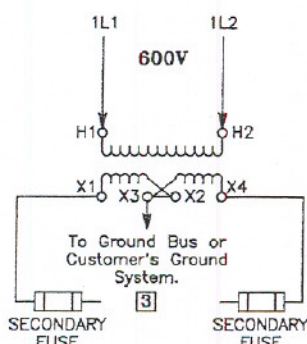
3KVA



5KVA



7.5KVA thru 10KVA



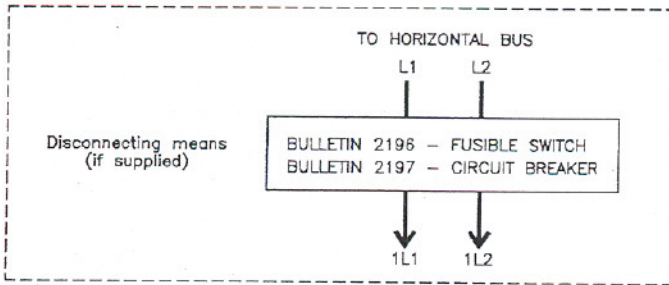
|                  |       |
|------------------|-------|
| Customer         | _____ |
| User             | _____ |
| C.O. Number      | _____ |
| A-B Order Number | _____ |

ALLEN-BRADLEY REFERENCES

GENERAL NOTES

1 Transformer is factory grounded to horizontal ground bus. Customer must ground transformer if horizontal ground bus is not present in motor control center.

- BULLETIN 2195 - TRANSFORMER WITHOUT DISCONNECTING MEANS
- BULLETIN 2196 - TRANSFORMER WITH FUSIBLE DISCONNECT SWITCH
- BULLETIN 2197 - TRANSFORMER WITH CIRCUIT BREAKER



Primary Connection

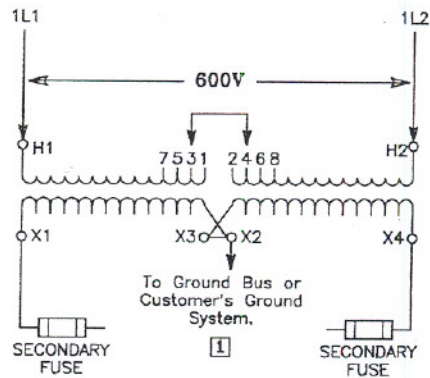
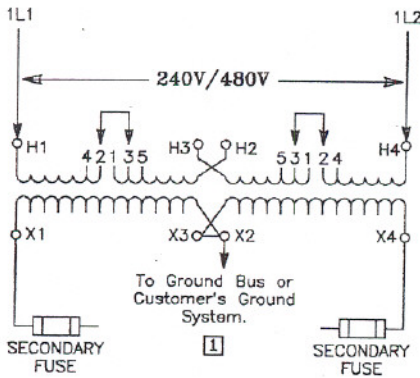
| Volts | Jumper Placement |          | Percent Taps | Connect  |
|-------|------------------|----------|--------------|----------|
|       | Right Leg        | Left Leg |              |          |
| 504   | 1 & 2            | 1 & 2    | 105.0        | H2 to H3 |
| 492   | 1 & 2            | 2 & 3    | 102.5        |          |
| 480   | 2 & 3            | 2 & 3    | 100.0        |          |
| 468   | 2 & 3            | 3 & 4    | 97.5         |          |
| 456   | 3 & 4            | 3 & 4    | 95.0         |          |
| 444   | 3 & 4            | 4 & 5    | 92.5         |          |
| 432   | 4 & 5            | 4 & 5    | 90.0         | H1 to H3 |
| 252   | 1 & 2            | 1 & 2    | 105.0        |          |
| 240   | 2 & 3            | 2 & 3    | 100.0        |          |
| 228   | 3 & 4            | 3 & 4    | 95.0         |          |
| 216   | 4 & 5            | 4 & 5    | 90.0         |          |

Primary Connection

| Volts | Jumper Placement | Percent Taps |
|-------|------------------|--------------|
| 630   | 1 & 2            | 105.0        |
| 615   | 2 & 3            | 102.5        |
| 600   | 3 & 4            | 100.0        |
| 585   | 4 & 5            | 97.5         |
| 570   | 5 & 6            | 95.0         |
| 555   | 6 & 7            | 92.5         |
| 540   | 7 & 8            | 90.0         |

With (2) 2 1/2% Taps F.C.A.N. and (4) 2 1/2% Taps F.C.B.N.

With (2) 2 1/2% Taps F.C.A.N. and (4) 2 1/2% Taps F.C.B.N.



15KVA thru 25KVA



Packaged Control Products Division  
Milwaukee, Wisconsin 53204 U.S.A.