

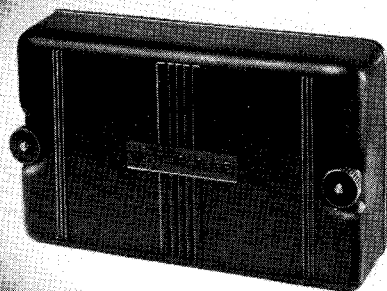


SWITCHGEAR DEVICES SCHEMATIC AND WIRING DIAGRAMS FLEXITEST SWITCH—TYPE FT

DIAGRAM SECTION

37-225

PAGE 1



Front View of 10-Pole Switch

Rear View of 10-Pole Switch
Showing Staggered Stud Arrangement
for Easy Access when Wiring

The following diagrams refer to Flexitest Switch listing given in Catalog Section 37-225. Note that each wiring diagram has a style number reference corresponding to style numbers listed in the Catalog Section.

On each wiring diagram of Flexitest Switch, top letters represent knife blade switch numbers molded into front of switch case and connected to instruments or relays and lower numbers represent wire designations from instrument transformers or control source to lower rear studs.

SCHEMATIC DIAGRAM FOR WATTHOUR METERS

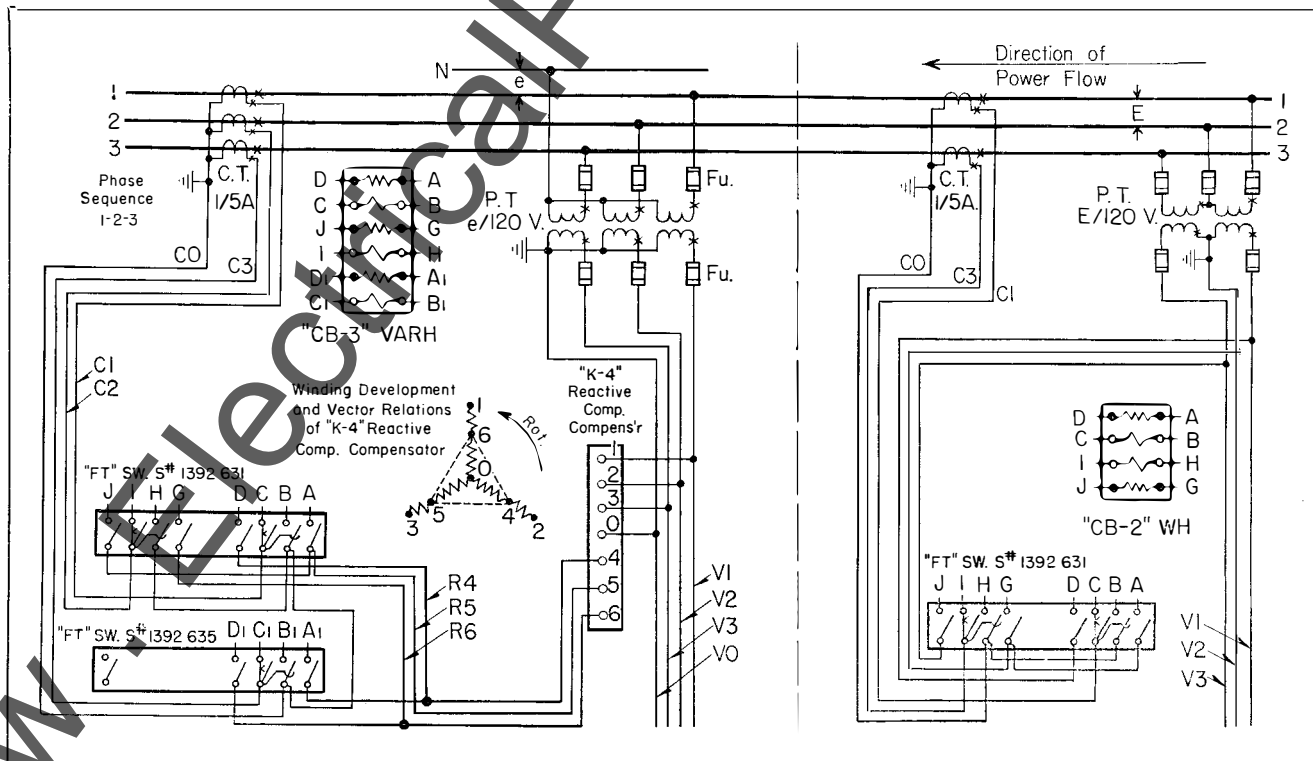
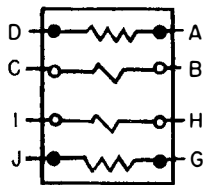


DIAGRAM A—Standard Connections for CB-3 and CB-2 WHM (Rear View)



WIRING DIAGRAMS FOR WATTHOUR METERS (Rear View)



S* 1392 631

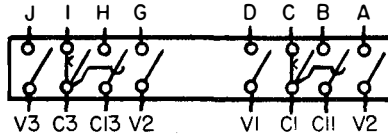
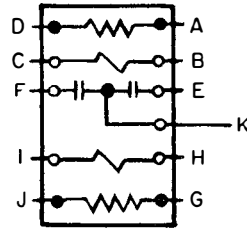


Fig. 1—Wiring Diagram for CB-2 Watthour Meter.



S* 1392 632

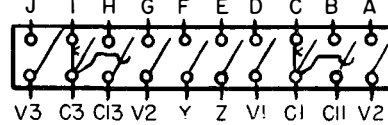
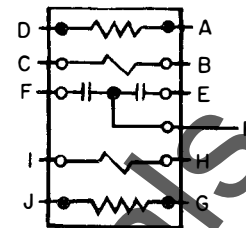


Fig. 2—Wiring Diagram CB-2 Watthour Meter with Demand Contacts.



S* 1392 632

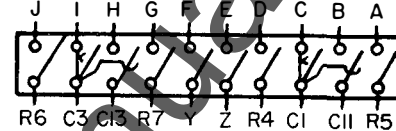
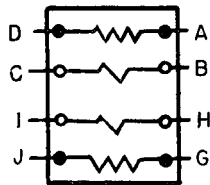


Fig. 3—Wiring Diagram CB-2 Varhour Meter with Demand Contacts.



S* 1392 631

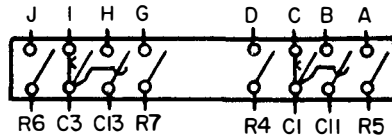
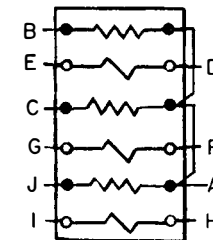


Fig. 4—Wiring Diagram for CB-2 Varhour Meter.



S* 1392 633

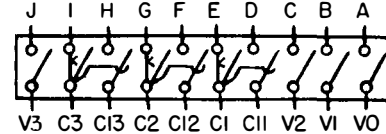
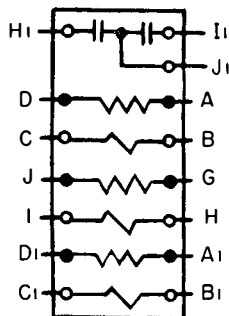
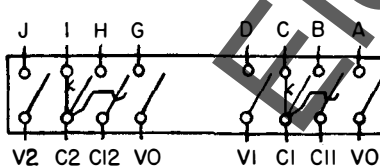


Fig. 5—Wiring Diagram of CB-3 Watthour Meter.



S* 1392 631



S* 1392 636

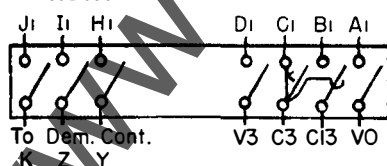
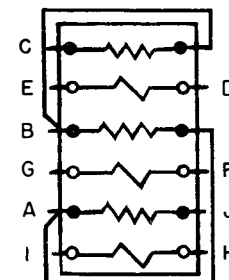


Fig. 6—Wiring Diagram CB-3 Watthour Meter with Demand Contacts.



S* 1392 633

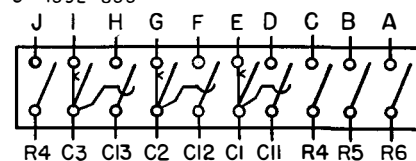


Fig. 7—Wiring Diagram CB-3 Varhour Meter.



SWITCHGEAR DEVICES SCHEMATIC AND WIRING DIAGRAMS FLEXITEST SWITCH—TYPE FT

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WIRING DIAGRAMS FOR WATTHOUR METERS (Rear View)—(Continued)

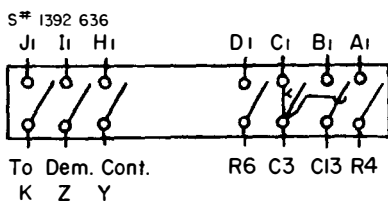
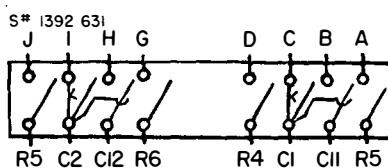
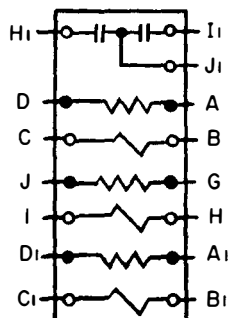


Fig. 8—Wiring Diagram CB-3 Varhour Meter with Demand Contacts.

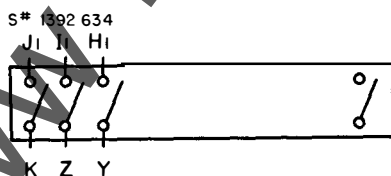
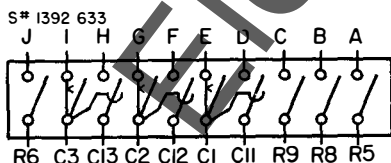
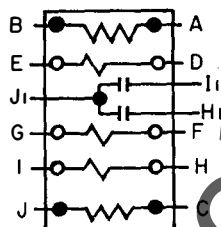


Fig. 13—Wiring Diagram CB-8 Varhour Meter with Demand Contacts.

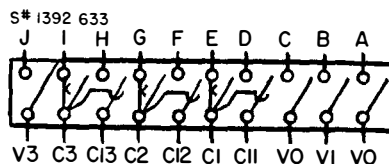
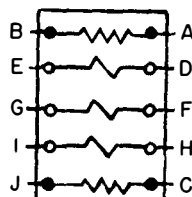


Fig. 9—Wiring Diagram CB-8 Watthour Meter.

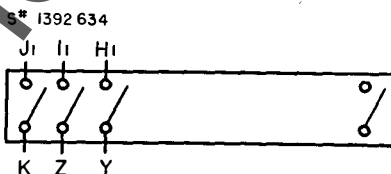
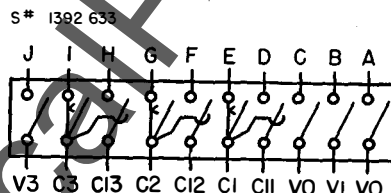
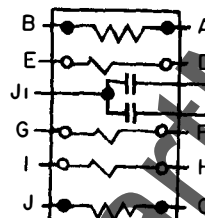


Fig. 11—Wiring Diagram CB-8 Watthour Meter when used with Varhour Meter, both Having Demand Contacts.

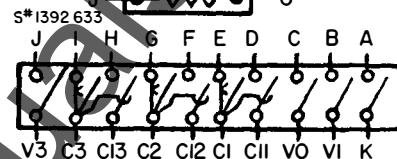
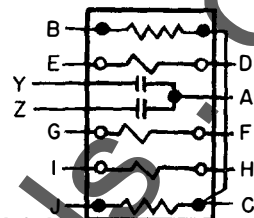


Fig. 10—Wiring Diagram CB-8 Watthour Meter with Demand Contacts when used alone, 2- or 3- Wire Standard.

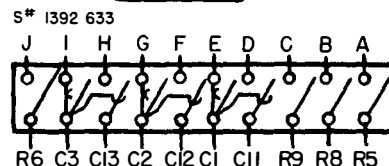
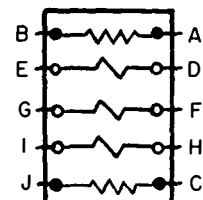


Fig. 12—Wiring Diagram CB-8 Varhour Meter.

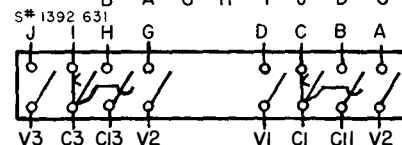
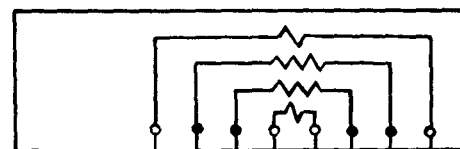


Fig. 14—Wiring Diagram R-2 Watthour Meter.

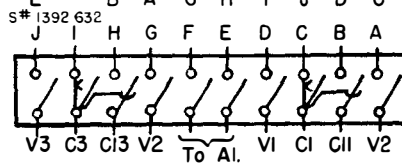
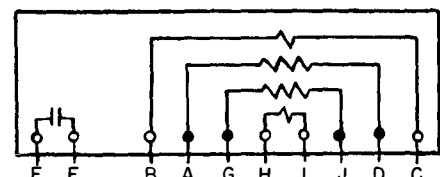


Fig. 15—Wiring Diagram R-2 Watthour Meter with Alarm Contacts.

SWITCHGEAR DEVICES

SCHEMATIC AND WIRING DIAGRAMS

FLEXITEST SWITCH—TYPE FT



WIRING DIAGRAMS FOR WATTHOUR METERS (Rear View)—(Continued)

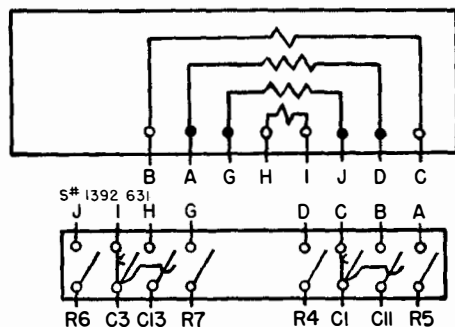


Fig. 16—Wiring Diagram R-2 Varhour Meter.

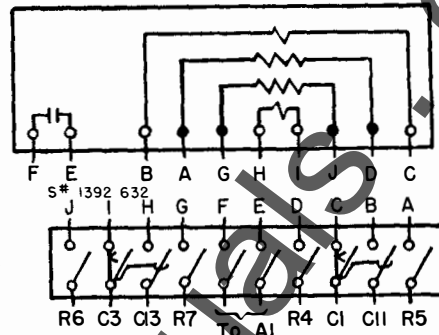


Fig. 17—Wiring Diagram R-2 Var-hour Meter with Alarm Contacts.

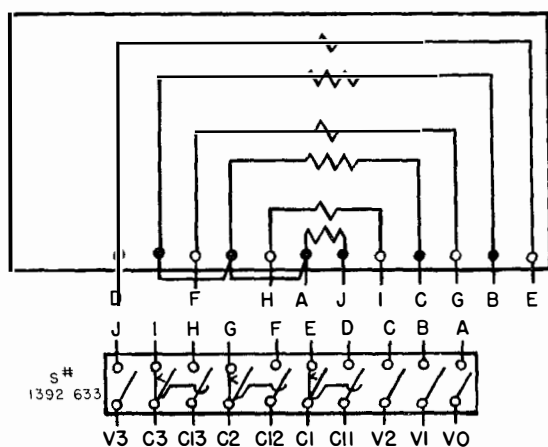


Fig. 18—Wiring Diagram R-3 Watthour Meter, when used alone.

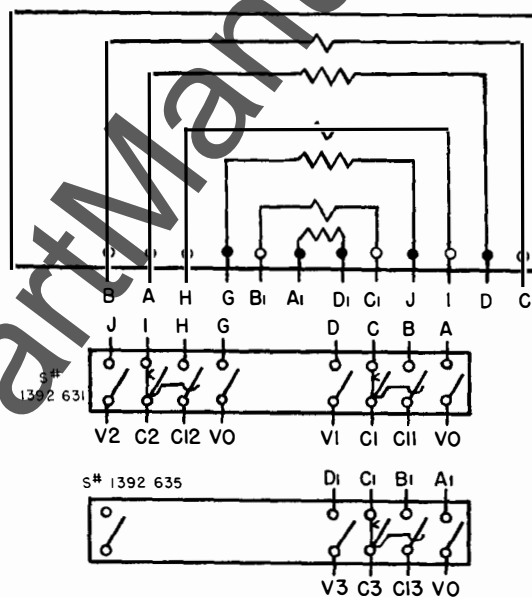


Fig. 19—Wiring Diagram R-3 Watthour Meter when used with Varhour Meter.

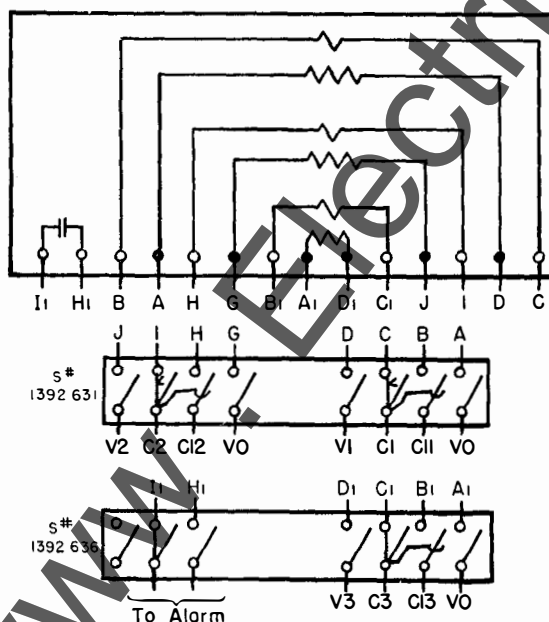


Fig. 20—Wiring Diagram R-3 Watthour Meter with Alarm Contacts.

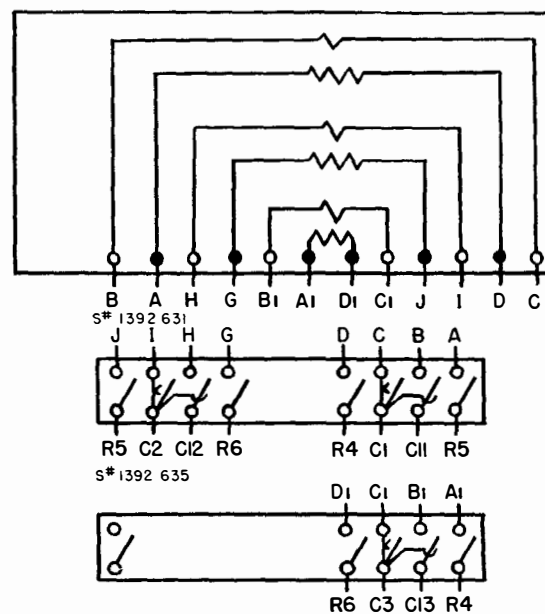


Fig. 21—Wiring Diagram R-3 Varhour Meter.



SWITCHGEAR DEVICES SCHEMATIC AND WIRING DIAGRAMS FLEXITEST SWITCH—TYPE FT

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WIRING DIAGRAMS FOR WATTHOUR METERS (Rear View)—(Continued)

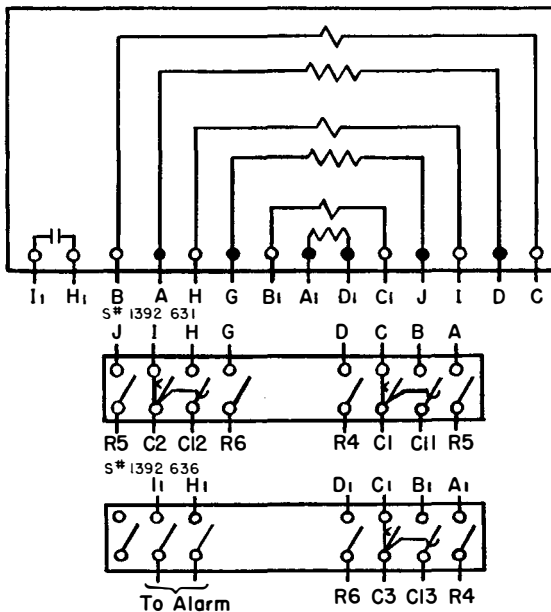


Fig. 22—Wiring Diagram R-3 Varhour Meter with Alarm Contacts.

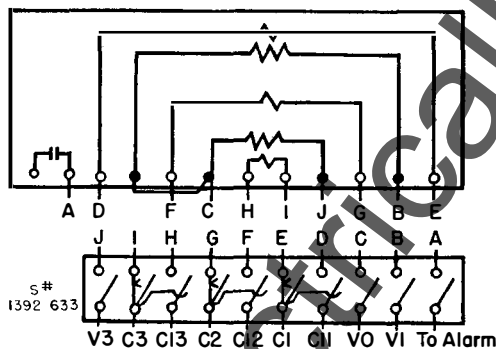


Fig. 24—Wiring Diagram R-8 Watthour Meter with Alarm Contacts when used alone.

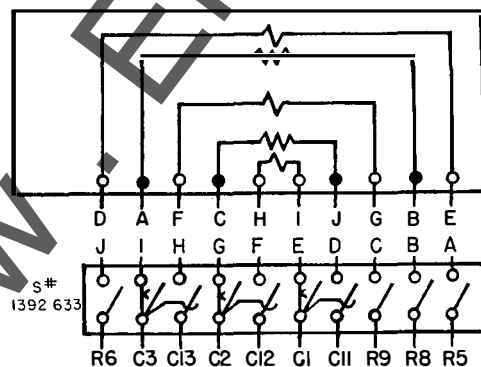


Fig. 26—Wiring Diagram R-8 Varhour Meter.

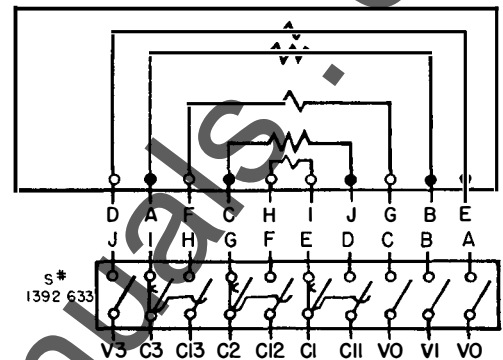


Fig. 23—Wiring Diagram R-8 Watthour Meter.

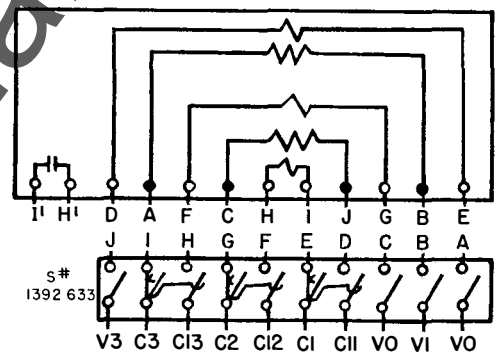


Fig. 25—Wiring Diagram R-8 Watthour Meter when used with Varhour Meter, Both Having Alarm Contacts.

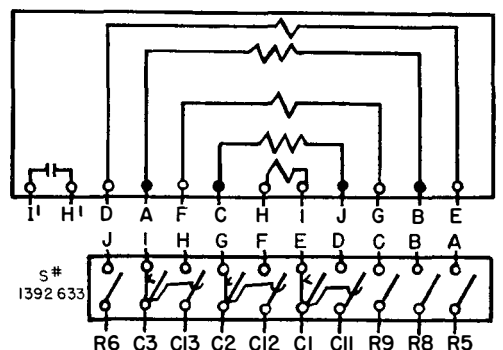
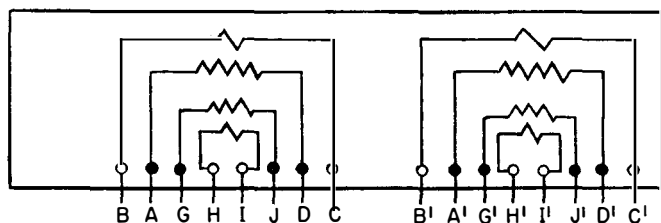


Fig. 27—Wiring Diagram R-8 Varhour Meter with Alarm Contacts.

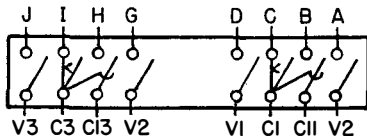
SWITCHGEAR DEVICES SCHEMATIC AND WIRING DIAGRAMS FLEXITEST SWITCH—TYPE FT



WIRING DIAGRAMS FOR DUPLEX METERS (Rear View)



S# 1392 631



S# 1392 631

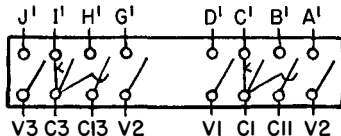
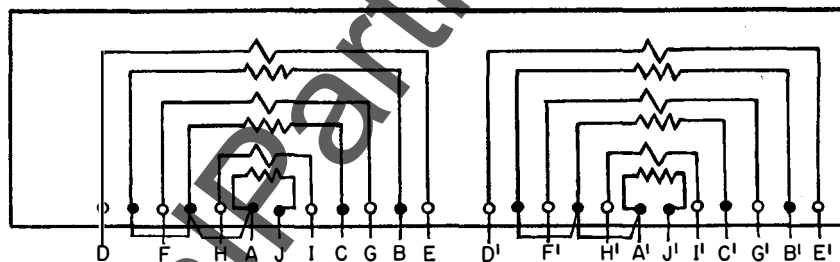
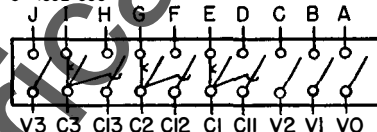


Fig. 28—Wiring Diagram R-22 Duplex Meter, 3-Phase, 3-Wire.



S# 1392 633



S# 1392 633

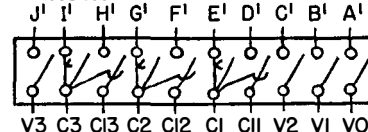
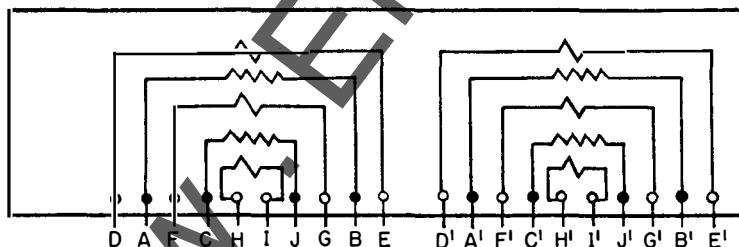
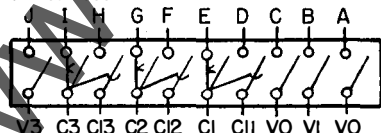


Fig. 29—Wiring Diagram R-23 Duplex Meter, 3-Phase, 4-Wire, Three Potential Coils.



S# 1392 633



S# 1392 633

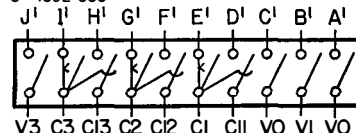


Fig. 30—Wiring Diagram R-28 Duplex Meter, 3-Phase, 4-Wire, Two Potential Coils



SWITCHGEAR DEVICES SCHEMATIC AND WIRING DIAGRAMS FLEXITEST SWITCH—TYPE FT

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WIRING DIAGRAMS FOR KVA DEMAND METERS (Rear View)

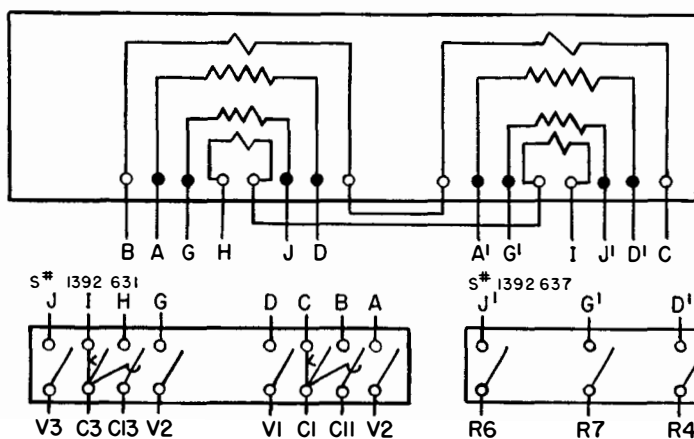


Fig. 31—Wiring Diagram RI-2 Kva Demand Meter, 3-Phase, 3-Wire.

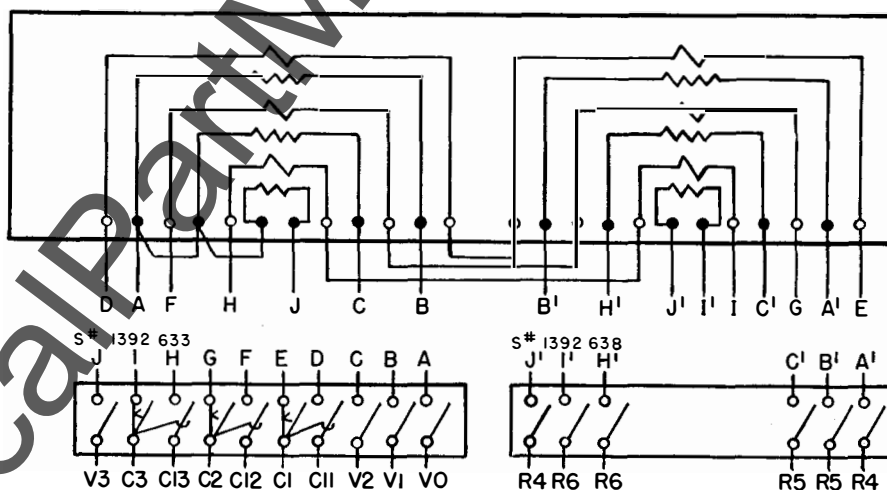


Fig. 32—Wiring Diagram RI-3 Kva Demand Meter, 3-Phase, 4-Wire, Three Potential Coils.

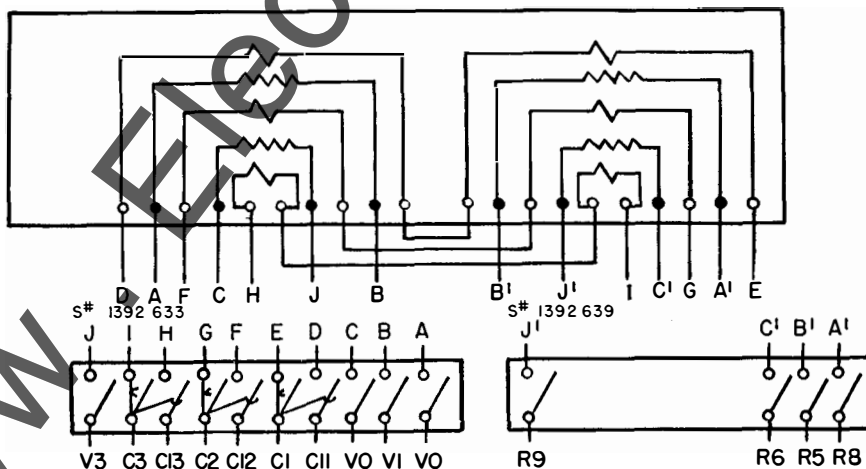


Fig. 33—Wiring Diagram RI-8 Kva Demand Meter, 3-Phase, 4-Wire, Two Potential Coils.

SWITCHGEAR DEVICES SCHEMATIC AND WIRING DIAGRAMS FLEXITEST SWITCH—TYPE FT



SCHEMATIC AND CONNECTION DIAGRAMS FOR RELAYS (Rear View)

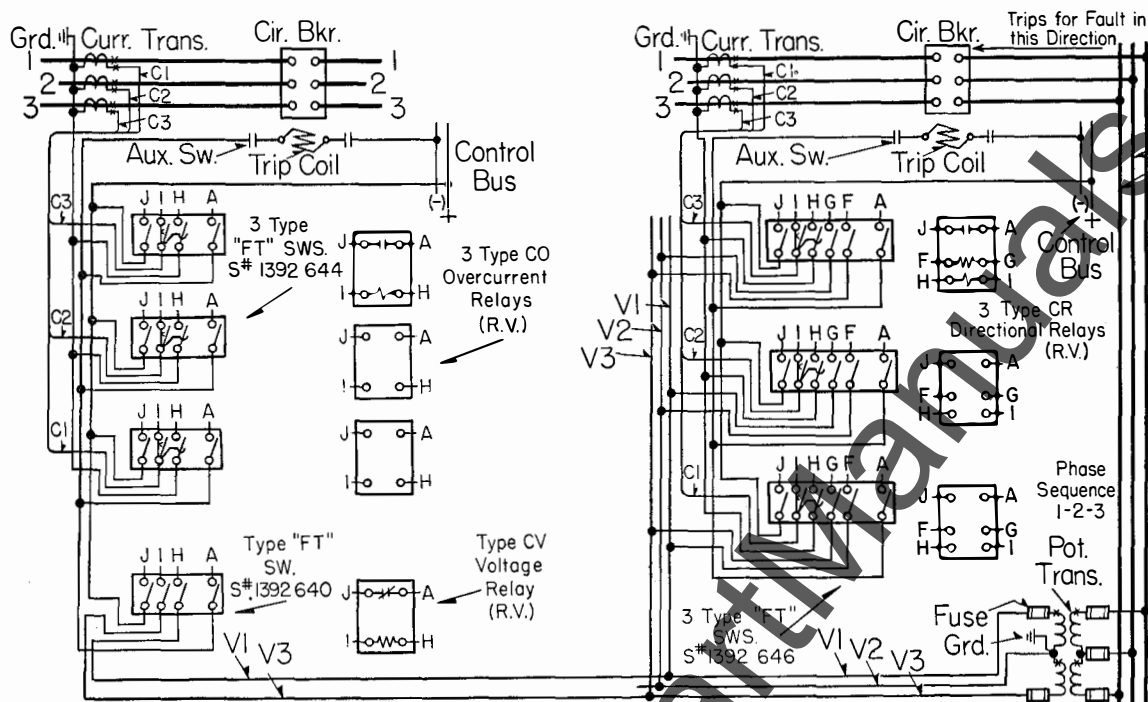


DIAGRAM B—Standard Connections for CO, CR and CV Relays

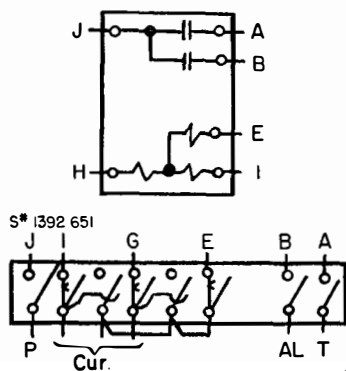


Fig. 34—Wiring Diagram CA Relay.

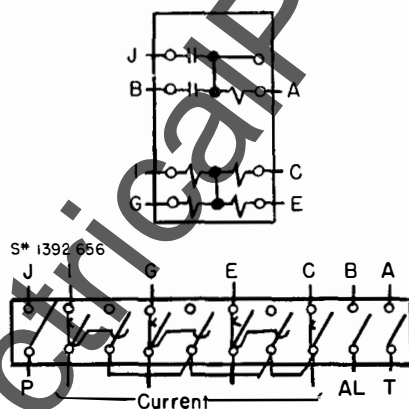


Fig. 35—Wiring Diagram CA-4 Relay.

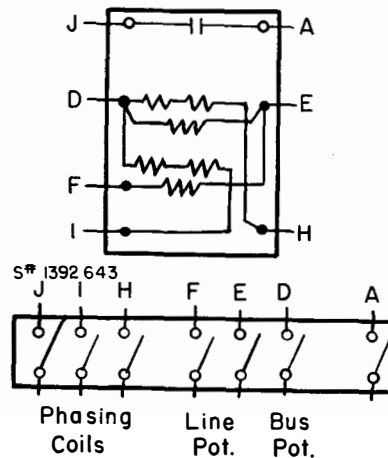


Fig. 36—Wiring Diagram CI Relay.

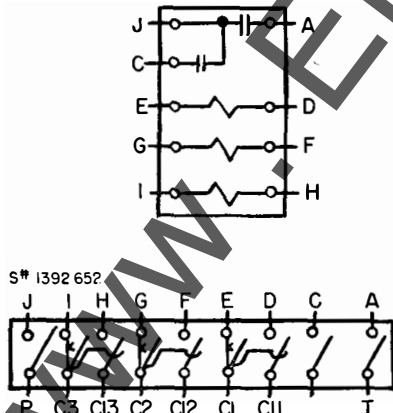


Fig. 37—Wiring Diagram CM Relay.

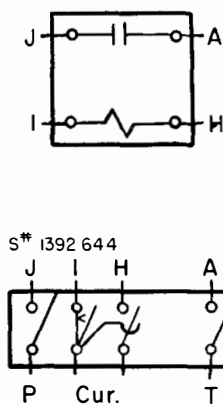


Fig. 38—Wiring Diagram CO, COH, and HO Relays, Single Pole, Single Throw.

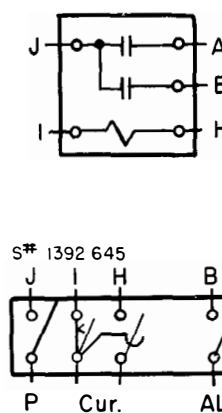


Fig. 39—Wiring Diagram CO, COH, and HO Relays, Double Pole, Double Throw.



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CONNECTION DIAGRAMS FOR RELAYS (Rear View)—(Continued)

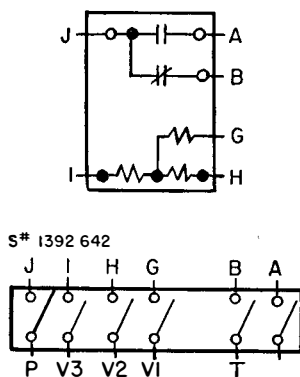


Fig. 40—Wiring Diagram CP Relay. Potential connections as shown are for Phase Sequence 1-2-3.

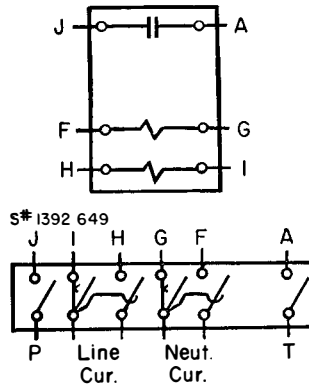


Fig. 41—Wiring Diagram CRC or CWC Relay, Single Pole, Single Throw.

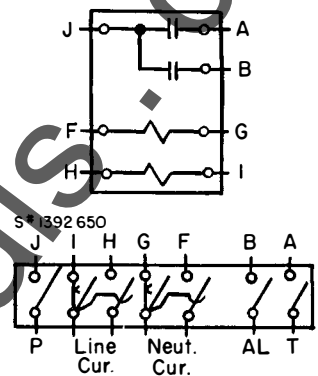


Fig. 42—Wiring Diagram CRC, CWC or BL-2 Relay, Double Pole, Double Throw.

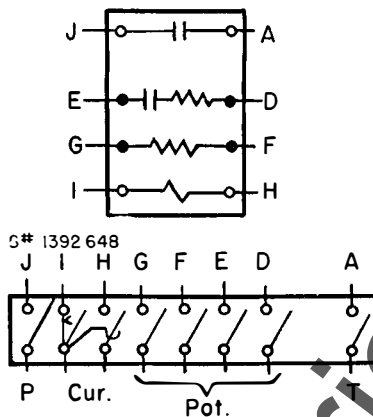


Fig. 43—Wiring Diagram CRN-1 Relay.

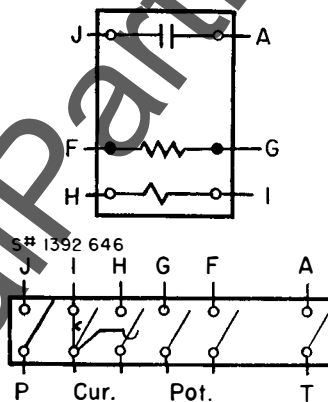


Fig. 44—Wiring Diagram CR, CW, or CWP Relay, Single Pole, Single Throw.

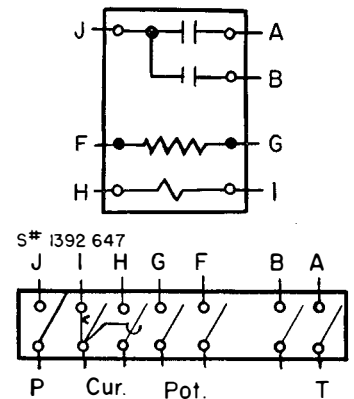


Fig. 45—Wiring Diagram CR, CW, CWP or CWK Relay, Double Pole, Double Throw.

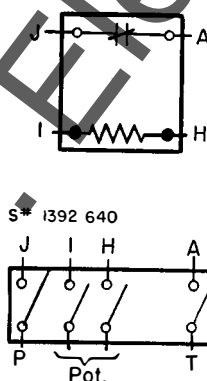


Fig. 46—Wiring Diagram CV Relay, Single Pole, Single Throw.

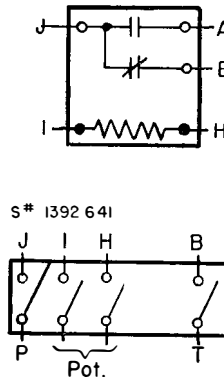


Fig. 47—Wiring Diagram CV Relay, Single Pole, Double Throw.

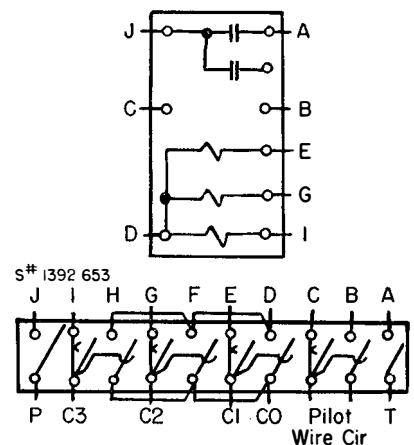


Fig. 48—Wiring Diagram HCB Relay.



CONNECTION DIAGRAMS FOR RELAYS (Rear View)—(Continued)

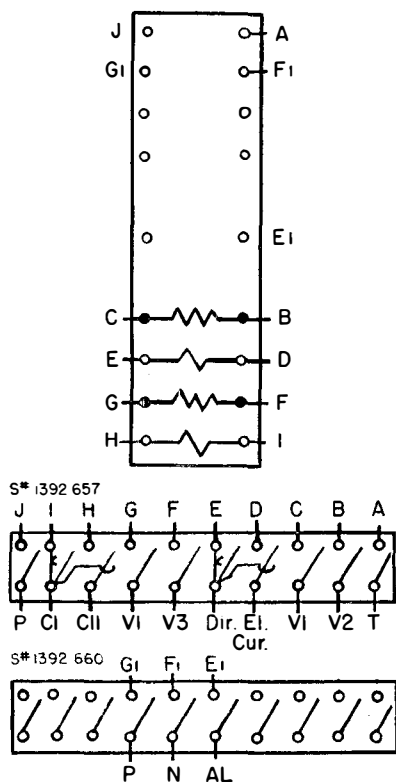


Fig. 49—Wiring Diagram HZ Relay. Note: Suffixes as shown are for Phase 1 Relay and Phase Sequence 1-2-3.

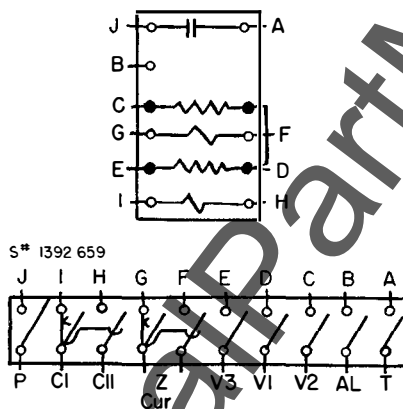


Fig. 50—Wiring Diagram HZ-1 Relay.

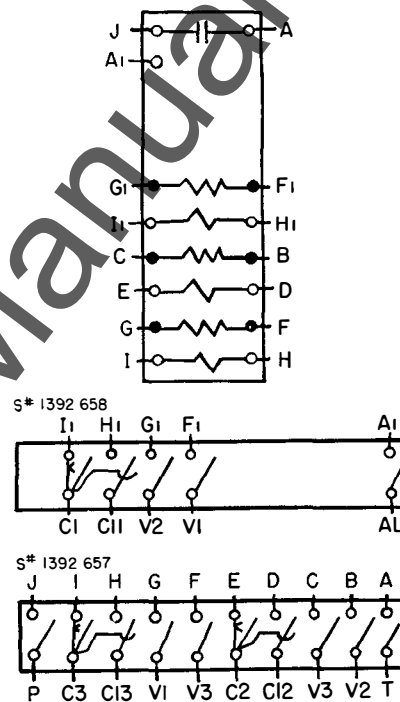


Fig. 51—Wiring Diagram HZ-3 Relay.

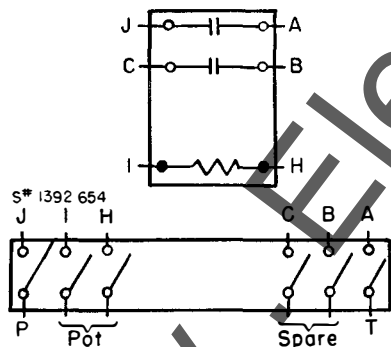


Fig. 52—Wiring Diagram SV Relay.

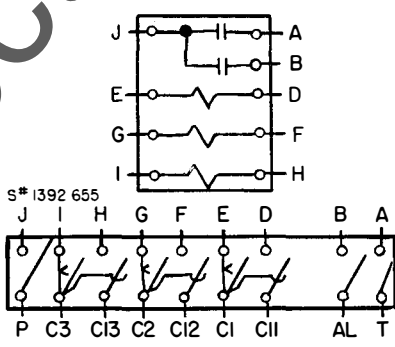


Fig. 53—Wiring Diagram SM-3 Relay.

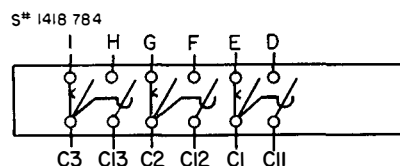


Fig. 54—Wiring Diagram General Purpose Current Transformer Short Circuiting Switch.

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