

PANEL SIZE	POWER WIRE IDENT. BLACK		
	WIRE "W"	WIRE "X"	WIRE "Y"
331D	N50KC45NA #6	N50KC45NA #6	N50KC45MA #8
331E	N50KC45RA #2	N50KC45RA #2	N50KC45MA #8
331F	N50KC45TA #1/0	N50KC45RA #2	N50KC45NA #6

POWER WIRING (SEE TABLE)

WIRE "W"
L1A, L2A, L3A
2A FROM R TO OL
2B FROM R TO OL
2C FROM R TO OL

WIRE "X"
2A FROM R TO AT
2B FROM R TO AT
2C FROM R TO AT
FA, FB, FC

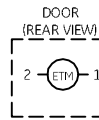
WIRE "Y"
OA, OB, OC

CONTROL WIRING

LINE VOLTAGE CONTROL WIRING
N50KC41JA #14 BLACK

CPT VOLTAGE CONTROL WIRING
N50KC41JC #14 RED

CPT GROUND WIRING
N50KC41JD #14 GREEN



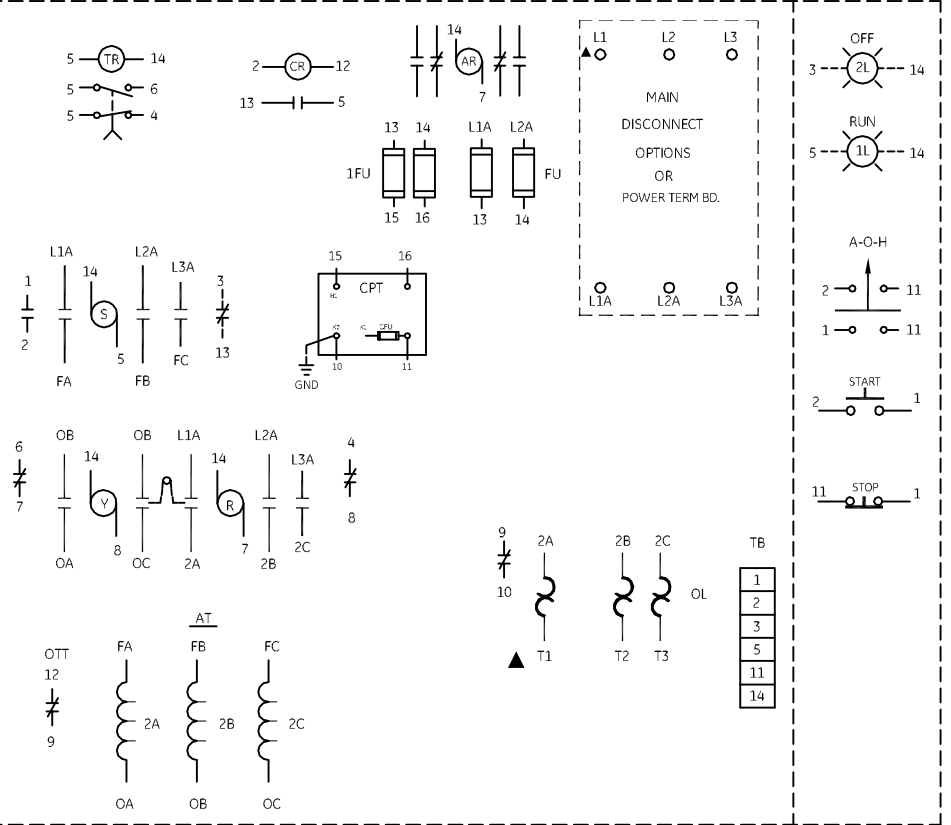
TIME ADJUSTMENT
THE ACCELERATING TIMER (TR) IS SET BY THE FACTORY TO OPERATE AT APPROX. 10 SEC. THIS TIME SETTING MAY BE ADJUSTED BY TURNING THE ADJUSTMENT SCREW ON THE TIMER IN THE DESIRED DIRECTION. THIS SETTING SHOULD NEVER EXCEED 20 SEC.

WHEN INSTALLING FIELD WIRING, USE COPPER CONDUCTORS ONLY, EXCEPT AT TERMINALS WHICH ARE LABELED WITH INSTRUCTIONS REGARDING THE PROPER INSTALLATION OF ALUMINUM WIRE.

FOR HAND-OFF-AUTO CONTROL WITH PILOT DEVICE, DISCONNECT WIRE FROM TB POINT 1 AND RECONNECT TO TB POINT 2 AND WIRE AS SHOWN BELOW.



PANEL (FRONT VIEW)



CUSTOMER CONNECTIONS

NOMENCLATURE (IF ORDERED)

- AM AMMETER
- AMS AMMETER SWITCH
- AR AUXILIARY RELAY
- AT AUTO-TRANSFORMER
- CPT CONTROL POWER TRANSFORMER
- ETH ELAPSED TIME METER
- FU FUSE
- IL INDICATING LIGHT
- LS LINE SWITCH
- OL OVERLOAD RELAY
- OTT OVER-TEMPERATURE THERMOSTAT
- PB PUSHBUTTON
- R RUN CONTACTOR
- S START CONTACTOR
- SS SELECTOR SWITCH
- TB TERMINAL BOARD
- TC TIME CLOSING CONTACT(S)TR
- TR TIME DELAY RELAY
- Y WYE CONTACTOR

AT CONNECTIONS

- FA, FB, FC = 100% TAP
- 2A, 2B, 2C = 66% TAP
- OA, OB, OC = 6% TAP

FOR CDA GROUND KIT, ORDER KIT NUMBER FROM THE FOLLOWING TABLE

CONDUIT SIZE	KIT NUMBER
1/2-IN CONDUIT	55-2134332-001
3/4-IN CONDUIT	55-2134332-002
1-IN CONDUIT	55-2134332-003
1 1/4-IN CONDUIT	55-2134332-004
1 1/2-IN CONDUIT	55-2134332-005
2-IN CONDUIT	55-2134332-006
2 1/2-IN CONDUIT	55-2134332-007



imagination at work

**WIRING DIAGRAM
RVAT (CR331 D, E & F)**

AN #	THIRD ANGLE PROJECTION	SHEET #
09-9120		1 OF 1

DWG NO.	DATE	REV
55-682974	10/13/2009	1