



TYPICAL WIRING DIAGRAM

MIN WIRE SIZE		
AMPS	CU	AL
100	1	1
125	1	2/0
150	1/0	3/0
175	2/0	4/0
200	3/0	250

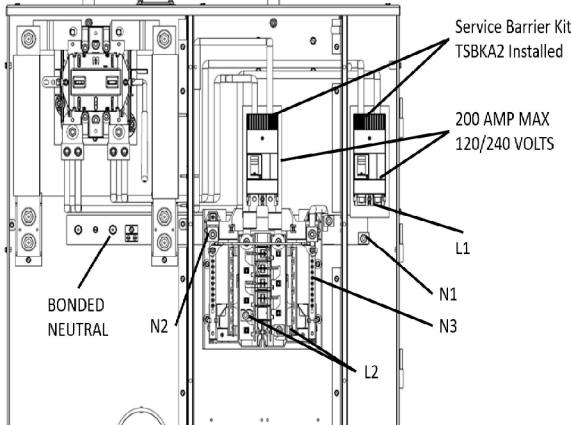
ENCLOSED PANEL BOARD LOAD CENTER
CAT NO. **TSDR830USCU** 22,000 AIC
MODEL 3
400 AMPS (320 AMPS CONTINUOUS 120/240 VOLTS AC)

SEE BREAKERS INSTALLED FOR ACTUAL
TYPE 3R ENCLOSURE 1 PHASE 3 WIRE

SUITABLE ONLY FOR USE AS SERVICE EQUIPMENT

THE SHORT CIRCUIT RATING OF THIS PANELBOARD IS EQUAL TO THE LOWEST INTERRUPTING RATING OF ANY INSTALLED CIRCUITBREAKER, BUT NOT MORE THAN 10,000 RMS SYMMETRICAL AMPERES AT 240V SINGLE-PHASE.

WATT-HOUR METER NOT INCLUDED IN SHORT-CIRCUIT RATING



CLASS CTL
ENCLOSED PANEL BOARD
ISSUE NO. 3024
PLANT SAL

WIRE RANGE

CONNECTOR	COPPER		ALUMINUM	
	SOLID	STRANDED	SOLID	STRANDED
NEUTRAL - N1	--	1-300	--	1-300
NEUTRAL - N2	6-2/0	6-2/0	14-1/0	14-1/0
NEUTRAL - N3	14-4	14-4	12-4	12-4
LOAD 1	--	1-300	--	1-300
GROUND	6-2/0	6-2/0	6-2/0	6-2/0

LUG TIGHTENING TORQUE (LB-IN)

SCREW	WIRE SIZE	TORQUE
SLOTTED	14-10	35
	8	40
	6/4	45
	3-2/0	50
INTERNAL HEX	3/16 ACROSS FLATS	120
	1/4 ACROSS FLATS	200
	5/16 ACROSS FLATS	275

ALUMINUM TERMINATIONS: TO HELP GUARD AGAINST OVERHEATING WHEN CONNECTING ALUMINUM WIRE IN CU/AL LUG, REMOVE OXIDE FILM FROM WIRE AND PROTECT IT WITH OXIDE INHIBITING COMPOUND.

USE COPPER OR ALUMINUM WIRE

USE ONLY 75 DEG.C (167 DEG.F) CONDUCTORS ON ALL FIELD INSTALLED LINE, LOAD AND NEUTRAL TERMINATIONS. USE 60 DEG.C (140 DEG.F) CONDUCTORS ON BRANCH CIRCUITS RATED 110A OR LESS.

THIS PANEL IS UNDERGROUND FEED ONLY

USE CIRCUIT BREAKERS AS BELOW

	AMP	SHORT CIRCUIT RATING AT 240V AC MAX.	
		22,000 AIC	10,000 AIC
MAIN	200	A2N200CTL-2SB	A2A200CTL-2SB
	175	A2N175CTL-2SB	A2A175CTL-2SB
	150	A2N150CTL-2SB	A2A150CTL-2SB
	125	A2N125CTL-2SB	A2A125CTL-2SB
SECONDARY MAIN	200	A2N200CTL-4SB	A2A200CTL-4SB
	175	A2N175CTL-4SB	A2A175CTL-4SB
	150	A2N150CTL-4SB	A2A150CTL-4SB
	125	A2N125CTL-4SB	A2A125CTL-4SB

BRANCH

USE G.E. TYPE THOL, THHOL, THOP, TQDL, THQDL, THQLGF, THHQLGF

OVER CURRENT PROTECTION

IF BREAKER TRIPS, HANDLE WILL BE IN INTERMEDIATE POSITION. TO RESTORE SERVICE: 1. MOVE HANDLE TO "OFF" POSITION. 2. THEN TO "ON" POSITION.

WARNING: TO AVOID ACCIDENTAL CONTACT WITH LIVE PARTS, CLOSE ALL OPENINGS WITH BREAKERS OR FILLER PLATES: 1/2 INCH FILLER PLATE TFP 1 INCH FILLER PLATE TQLFP-1

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ACCESSORIES

GROUND KITS TGL2 TGL4 TGL8

A2 GENERATOR INTERLOCK KIT: TSDRA2GEN
A2 BREAKER TERMINAL KIT KA2225-2



DANGER

HAZARD OF ELECTRICAL SHOCK OR BURN. TURN OFF POWER SUPPLYING EQUIPMENT BEFORE WORKING INSIDE

REV. D MNP800642