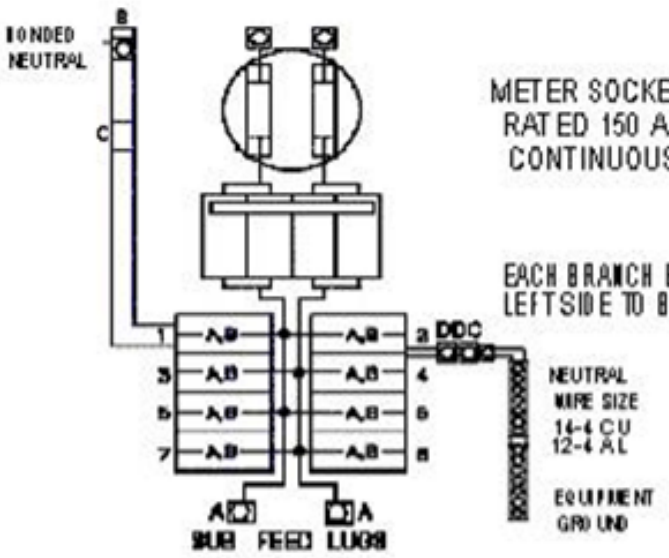
TYPICAL WIRING DIAGRAM



METER SOCKET
RATED 150 A
CONTINUOUS

EACH BRANCH BREAKER ON
LEFT SIDE TO BE 70 AMPS MAX

ENCLOSED PANELBOARD

MODEL No. R158CR2TLFMG

150 AMPS MAX
120/240 VOLTS A-C
TYPE 3R ENCLOSURE

FMG APPROVED

UL LISTED

ENCLOSED PANELBOARD
ISSUE No. C-3024

Breaker Symbol	Breaker Fill	
	1"THQL	1/2 "THQP
"A,B"	1	2

TOTAL LOAD OF BRANCH BREAKERS NOT TO EXCEED 150A
SUITABLE ONLY FOR USE AS SERVICE EQUIPMENT

USE ONLY 75 DEG. C (167 DEG. F) CONDUCTORS ON ALL FIELD INSTALLED LINE LOAD AND NEUTRAL TERMINATIONS

THIS RATING IS APPLICABLE ONLY IF PANEL BOARD IS INSTALLED AS A SINGLE-PHASE, 3-WIRE RESIDENTIAL SERVICE EQUIPMENT

WHEN CABINET HAS PROVISIONS FOR A CONDUIT HUB, SELECT FROM THE CHART BELOW

CONDUIT SIZE	CLOSURE CAP	3/4	1	1 1/4	1 1/2	2	2 1/2
CONDUIT	801	807	810	812	815	820	825

WARNING: TO AVOID ACCIDENTAL CONTACT WITH LIVE PARTS, CLOSE ALL OPENINGS WITH BREAKERS OR FILLER PLATES, CAT NO. 265A5003P1 FOR ONE - POLE FILLER PLATE OR 265A5003P2 FOR TWO - POLE FILLER PLATE.

DANGER

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

THE SHORT CIRCUIT RATING OF THIS PANELBOARD IS EQUAL TO 22,000 RMS SYMMETRICAL AMPERES AT 240 V, SINGLE PHASE, UTILIZING G.E. TYPE THQP, THHQP, THQL, THHQL BRANCH BREAKERS OR MIDWEST TYPE MHQL BRANCH BREAKERS. WATT - HOUR METER IS NOT INCLUDED IN SHORT - CIRCUIT RATING

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.

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

WIRE RANGE

CONNECTOR	COPPER		ALUMINUM	
	SOLID	STRD	SOLID	STRD
LINE-METER SOCKET		6- 4/0		6- 4/0
LOAD-"A"		1- 4/0		1- 4/0
NEUTRAL-"B"		6- 4/0		6- 4/0
NEUTRAL-"C"	14-8	14-1/0	12-8	12-1/0
NEUTRAL-"D"		2-250		2-250
3 LARGE HOLES	14-8	14-4	12-8	12-4
4 SMALL HOLES	14-8	14-8	12-8	12-8
EQUIP. GROUND	14-8	14-4	12-8	12-4
3 LARGE HOLES	14-8	14-8	12-8	12-8

LUG TIGHTENING TORQUE (LB-IN)

SCREW TYPE	WIRE SIZE	TORQUE
SLOTTED	14-10	32-35
	8	36-40
	6-4	41-45
	3-2/0	45-50
INTERNAL HEX	3/16 ACROSS FLATS	108-120
	1/4 ACROSS FLATS	180-200
	5/16 ACROSS FLATS	248-275

8 - THQL/THHQL 1 POLE SPACES OR 16 - THQP/THHQP 1 POLE SPACES. TOTAL AMPERAGE NOT TO EXCEED THE RATING OF THE MAIN BREAKER

SAL011!

MNP602199 PLANT SAL

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