

Electrical Data and Wiring Information

All equipment manufactured by Midwest Electric Products contains a label located on the inside of the door which gives electrical data and wiring information for the unit. On select models the label also lists the renewal parts for the unit. Pictured below is a sample label.

TYPICAL WIRING DIAGRAM
8 POLES MAX 6-20 AWG CU/AL
MAX BRANCH OR MAIN CIRCUIT BREAKER RATING 125 AMPS
SEE NOTE 1:
EQUIP GRD
(DO NOT WIRE ENDS)
INSULATED NEUTRAL
BOND WHEN USED AS SERVICE EQUIPMENT

CAT No. UG412RMW250
TYPE 3R OUTDOOR ENCLOSURE
UL US LISTED
CLASS CTL PANELBOARD LOAD CENTER
E68341 Vol 1
ISSUE NUMBER C-3024

NOTE 1:
* THERE ARE 3 LUGS ON THE BREAKER
** INSERT WHITE LOAD WIRE IN LUG MARKED
*** WHITE DOT
* SEE DIAGRAM

USE ONLY WITH GE TYPE THQP, THQP, THQL, THQL, THQL, TXQL, THQL-GFCL, THQL-GFCL, SIEMENS TYPE QPF OR MIDWEST TYPE MHQL BREAKERS 50 AMPS MAX

MAIN RATINGS: 120/240 VAC 3-WIRE, 125 AMPERES
ADDITIONAL RATING: 240V 1 PHASE 2-WIRE. FOR THIS SYSTEM NEUTRAL IS NOT USED AND ONLY BREAKER 240V ARE TO BE USED

WARNING
THE CIRCUIT BREAKER IN THIS BOX HAVE BEEN SELECTED TO PROTECT THE WIRING TO AVOID DAMAGE AND LOSS OF PROTECTION. DO NOT REPLACE WITH HIGHER AMPERE RATED BREAKERS IF CHANGES ARE NECESSARY CALL A QUALIFIED ELECTRICAL CONTRACTOR

USE COPPER OR ALUMINUM WIRE
USE 60°C OR 75°C AMPACITY SIZED WIRE ON LINE AND NEUTRAL TERMINALS. SEE CIRCUIT BREAKERS FOR THEIR WIRE TEMPERATURE RATING

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.

WHEN INSTALLED IN ACCORDANCE WITH THE NEC, UNIT IS NOT SUITABLE FOR USE AS SERVICE EQUIPMENT. MAXIMUM CONTINUOUS LOADS ON BRANCH CIRCUITS NOT TO EXCEED 80% OF THE RATINGS OF THE CIRCUIT BREAKERS EMPLOYED IN OTHER THAN MOTOR CIRCUITS. LES CHARGES CONTINUES MAXIMALES POUR LES DERIVATIONS NE DOEVENENT PAS ETRE SUPERIEURES A 80% DU COURANT NOMINAL DES DISJONCTEURS UTILISES POUR DES CIRCUITS AUTES QUE DES CIRCUITS DE MOTEURS.

SUITABLE FOR USE AS SERVICE EQUIPMENT WHEN NOT MORE THAN 6 MAIN DISCONNECTS ARE PROVIDED WHEN NOT USED AS A LIGHTING AND APPLIANCE BRANCH CIRCUIT PANELBOARD. SEE ARTICLE 384-14 OF THE NEC.

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

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

RAINPROOF CONDUIT HUBS

CONDUIT SIZE	3/4	1	1 1/4	1 1/2	2	2 1/2
CAT No.	807	810	812	815	820	825

NEUTRAL AND EQUIPMENT GROUND WIRE

	SOLID		STRANDED		SLOTTED WIRE		
	AWG	CU	AWG	CU	AWG WIRE	MIN LB-IN	MAX LB-IN
LARGE HOLES	14-8	CU	10-4	CU	14 - 10	32	35
SMALL HOLES	12-8	CU	10-4	CU	8	38	40
	14-8	AL	12-8	AL	8 - 4	41	45
	12-8	AL	12-8	AL	3 - 20	45	50

WIRE CONNECTOR TERMINAL SCREW TIGHTENING TORQUE APPLIES ONLY TO LINE, NEUTRAL AND EQUIPMENT GROUND TERMINALS

SAL ! MADE IN MEXICO PLANT SAL
MNP801903

MIDWEST ELECTRIC PRODUCTS
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Warranty

The Company warrants to the Purchaser that the equipment to be delivered hereunder will be free from defects in material or workmanship and will be of the kind and quality designated or specified in the contract.

This warranty shall apply only to defects appearing within *one year from the date of shipment* by the Company.

If the equipment delivered hereunder does not meet the above warranty, and if the Purchaser promptly notifies the Company, the Company shall thereupon correct any defect including nonconformance with the specifications either (at its option), by repairing any defective or damaged parts of the equipment, or by making available at the Company's plant necessary repaired or replacement parts. The liability of the Company under this warranty (except as to title), or for any loss or damage to the equipment whether the claim is based on contract or negligence, shall not in any case exceed the cost of correcting defects in the equipment as herein provided and upon the expiration of the warranty period all such liability shall terminate. The foregoing shall constitute the exclusive remedy of the Purchaser and the exclusive liability of the Company.

The foregoing warranty is exclusive and in lieu of all other warranties, whether written, oral, implied, or statutory (except as to title). **No warranty of merchantability or fitness for purpose shall apply.** The Company does not warrant any equipment of other manufacture designated by Purchaser.