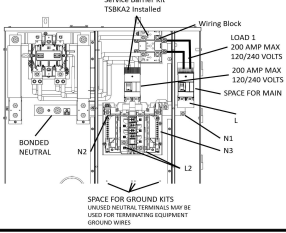




by ABB

TYPICAL WIRING DIAGRAM

WHEN SPACE FOR MAIN IS UTILIZED, SELECT A CIRCUIT BREAKER FROM THE TABLE (SPACE FOR MAIN). INSTALL THE MINIMUM WIRE SIZE AS SHOWN BETWEEN THE CB AND WIRING BLOCK. PLACE BREAKER ON THE INSULATOR PROVIDED AND ATTACH TO STAND WITH SCREWS PROVIDED.



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. **TSDR840UFCUAEP** MOD 3

400 AMPS (320 AMPS CONTINUOUS 120/240 VOLTS AC)
TYPE 3R ENCLOSURE 1 PHASE 3 WIRE 22 KAIC

PANEL RATING IS TO BE 10,000 AIC IF SPACE FOR MAIN IS USED FOR TQD BREAKER IN FIELD

SUITABLE ONLY FOR USE AS SERVICE EQUIPMENT

THE SHORT CIRCUIT RATING OF THIS PANELBOARD IS EQUAL TO THE LOWEST INTERRUPTING RATING OF ANY INSTALLED CIRCUIT BREAKER, BUT NOT MORE THAN 22,000 RMS SYMMETRICAL AMPERES AT 240V SINGLE-PHASE. WATT-HOUR METER NOT INCLUDED IN SHORT-CIRCUIT RATING.

USE ONLY WITH GE CIRCUIT BREAKERS

SHORT CIRCUIT RATING AT 240V AC MAX	AMP	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
SPACE FOR MAIN	200	A2N200CTL-4SB	A2A200CTL-4SB
	175	A2N175CTL-4SB	A2A175CTL-4SB
	150	A2N150CTL-4SB	A2A150CTL-4SB
	125	A2N125CTL-4SB	A2A125CTL-4SB

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	3/16 ACROSS FLATS	120
	1/4 ACROSS FLATS	200
	5/16 ACROSS FLATS	275

IF SEMI-FLUSH MOUNTING BRACKETS ARE NOT REQUIRED, REMOVE AND REPLACE SCREWS IN EMPTY HOLES.

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

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

THE DEVICE MEETS EUSERC SPECIFICATION

BRANCH USE G.E TYPE THQL, THHQL, THQP, TQDL, THQDL, THQLGF, THHQLGF

OVER CURRENT

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 TFH 1 INCH FILLER PLATE TQLFP1

REPLACEMENT PARTS	ACCESSORIES
METER SOCKET BASE RL400MTRSKT1	GROUND KITS TGL2
METER COVER RL400MTRCVR8	TGL4
DEAD FRONT RL400DFD8	TGL8
DISTRIBUTION DOOR RL400DSDR08	A2 GENERATOR INTERLOCK KIT: TSDRAG2EN
INTERIOR (LESS MAIN) 8 CIRCUITS RL400INT8	



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

REV. D MNP601728