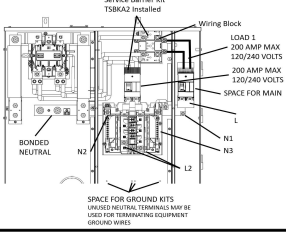




by ABB

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 RL400DDSDR8 | 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