



POWER DISTRIBUTION FUSE PANEL-GMT/TPA INSTALLATION INSTRUCTIONS FOR #7570210753

GENERAL

THE POWER DISTRIBUTION FUSE PANELS PROVIDE PROTECTION FOR A VARIETY OF TELECOMMUNICATIONS EQUIPMENT. THE GMT FUSE HOLDER ACCEPTS A COMPLETE RANGE OF FUSES BETWEEN .18 TO 15 AMPS PER POSITION. THE TPA FUSE HOLDER ACCEPTS A COMPLETE RANGE OF FUSES FROM 3 TO 50 AMPS.
TOTAL CURRENT INPUT: 200 AMPS MAX, GMT/TPA TOGETHER PER SIDE , 400 AMPS TOTAL, SIDE A&B
GMT SIDE CAPACITY IS 60 AMP MAX PER SIDE FOR CONTINUOUS OPERATION
HOW TO CALCULATE TOTAL INPUT: 1. IF GMT SIDE NEED 4 X 7.5 A = 30 A CONTINUOUS, REMAINING FOR TPA IS 170A
2. IF GMT SIDE NEED 6 X 10A = 60 A CONTINUOUS, REMAINING FOR TPA IS 140A.

INSTALLATION

- 1-PRIOR TO MOUNTING THE FUSE PANEL IN THE RACK, CAREFULLY READ THE MARKETING DRAWING #7570210753, TO BECOME FAMILIAR WITH ALL THE FEATURES OF THE FUSE PANEL.
- 2-INSTALL THE 19" OR 23" MOUNTING BRACKETS IN THE PROPER POSITION: FLUSH, 4" OR 5" AS NEEDED.
(USE THE #6-32 FLAT HEAD SCREWS PROVIDED)
- 3-MOUNT THE FUSE PANEL IN THE RACK USING THE #12-24 X 1/2" SLOTTED ROUND HEAD SCREWS, PROVIDED.
- 4-INPUT: USE UP TO #4/0 AWG COPPER WIRES (STRIPPED 27mm OR 1.06") TO FEED INTO -48 VDC AND RETURN POWER CONNECTORS. SECURE THE WIRES TO THE INPUT CONNECTORS USING MAX. 175 In-Lbs OF TORQUE
- 5-OUTPUT:
 - 5.1-GMT REAR CONNECTORS USE 26-14 AWG WIRE (STRIPPED 5.5mm OR 7/32"). RECOMMENDED TORQUE=4 in-lbs
 - 5.2-TPA REAR CONNECTORS USE 22-6 AWG WIRE (STRIPPED 11mm OR 7/16"). RECOMMENDED TORQUE=14-16in-lbs
- 6-REMOTE ALARM: USE #22-24 AWG WIRE TO CONNECT ANY AUDIO OR VIDEO ALARM INDICATOR. 2 AMPS MAX
RECOMMENDED TORQUE=4 in-lbs
- 7-INSTALL PROPER SIZE FUSES IN THE FRONT FUSE HOLDERS. DO NOT EXCEED 60 AMPS PER SIDE ON GMT
IT IS NOT RECOMMENDED TO INSTALL 15 A GMT FUSES SIDE BY SIDE.

WARNING

DO NOT EXCEED THE MAXIMUM FUSE PANEL CAPACITY RATING.
(IT IS RECOMMENDED NOT TO INSTALL TWO LARGE AMPERAGE FUSES SIDE BY SIDE).

- 8-RECORD THE FUSE POSITION ASSIGNMENTS ON THE DESIGNATION CARD PROVIDED.

ALARM:

- ALARM IN THIS PDU IS DESIGNED WITH "FAIL SAFE RELAY". IT MEANS THAT ALL RELAYS ARE ENERGIZED WHEN POWER IS CONNECTED IN RIGHT WAY AND ALL FUSES ARE GOOD.
- POWER FAILURE ALARM - WHEN POWER IS CONNECTED TO PDU, GREEN POWER LED IS ON, REMOTE ALARM ON REAR SIDE IS REPRESENTED BY "C" "NO" "NC" TERMINALS. REMOTE ALARM WILL BE SENT THRU "C" AND "NO" TERMINALS. WHEN THE PDU SENDS A POWER FAILURE ALARM AND A GREEN POWER LED IS OFF, IT MEANS THAT THERE IS A PROBLEM WITH POWER SOURCE.
 - FUSE FAILURE ALARM - WHEN POWER IS CONNECTED TO PDU AND ALL FUSES ARE GOOD A GREEN LED IS ON, THIS STATE IS REPRESENTED BY "C" "NO" "NC" ON REMOTE ALARM TERMINAL ON REAR SIDE OF PDU. FOR ANY FUSE FAILURE THE RED FUSE FAIL LED ALARM WILL GO ON. REMOTE ALARM WILL BE SENT THRU "C" AND "NO" TERMINALS. REPLACE THE BAD FUSE WITH A NEW ONE OF THE SAME SIZE. IF BAD FUSE HAS BEEN REPLACED AND THERE STILL IS A FUSE FAILURE ALARM (RED LED) CHECK OTHER FUSES FOR FAILURE.

MAINTENANCE

TRIMM INC'S FUSE PANELS DO NOT REQUIRE SPECIAL MAINTENANCE

TRIMM INC. PHONE: 800-298-7466
FAX: 847-680-3888