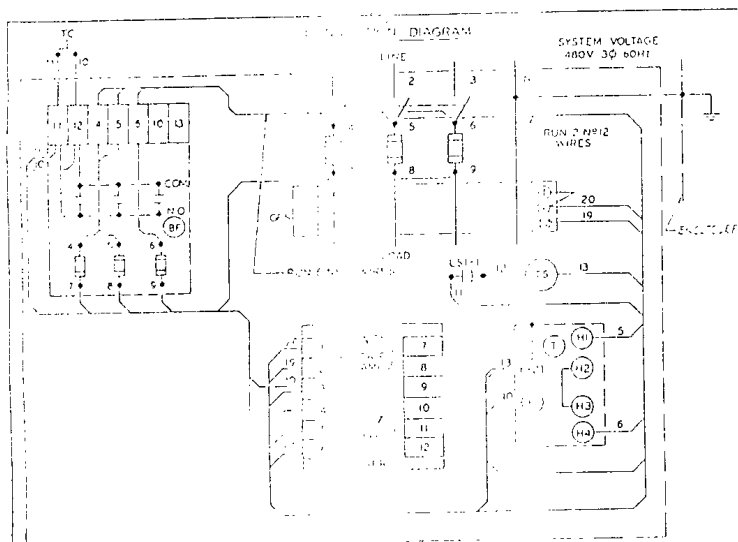




BF - BLOWN FUSE DETECTOR
(USING BUSSMANN KAZ ACTUATORS)

GFS - GROUND FAULT SENSOR - PRINGLE CAT. NO. 1000A TO 2000A
2500A
3000A & 4000A

GFR - GROUND FAULT RELAY - PRINGLE CAT. NO. 1000A TO 2000A
2500A
3000A & 4000A
TRIP AMPERES: 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 1200
SECONDS: 0.1, 0.2, 0.4, 0.5 CAUTION - DO NOT APPLY HIGH POTENTIAL TESTS
(SEE NOTE 3)

T - CONTROL TRANSFORMER - HEVY-DUTY TYPE UNIT CAT. NO. T300
300VA PRIMARY 480V SEC. 120V

LSI-1 - LIMIT SWITCH

TC - TRIP CONTACT - NORMALLY OPEN (BY CUSTOMER IF REQ'D) CONTROL CIRCUIT MUST BE FUSED
IF TRIP CONTACT WIRING EXTENDS
BEYOND SWITCH ENCLOSURE

TS - TRIP SOLENOID

NOTES

- 1 - TRIP SOLENOID COIL DATA
120V COIL - 18 AMP IMPULSE - 1 AMP HOLD
COIL CAN OPERATE AT 55% OF ITS RATED CURRENT
- 2 - ALL WIRES TO BE #14 EXCEPT AS NOTED

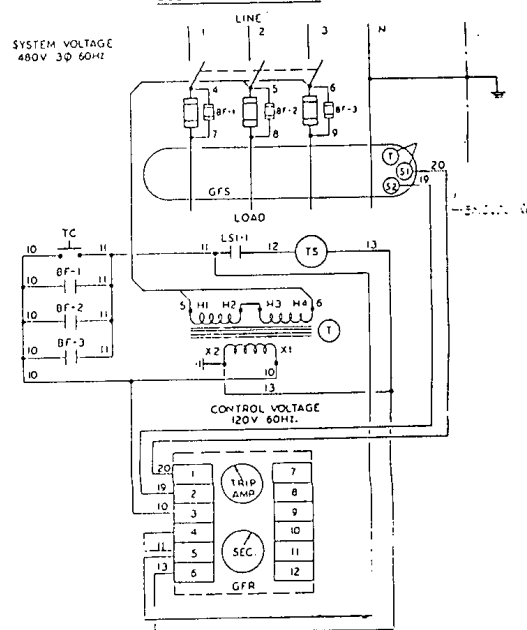
3 - IF A CONTROL WIRING INSULATION HIGH POTENTIAL
TEST IS REQUIRED

- A. DISCONNECT ALL WIRES TO THE GROUND FAULT
RELAY AND M-UNIT (IF USED.)
- B. AFTER HIGH POTENTIAL TEST HAS BEEN
PERFORMED, RECONNECT ALL WIRES.
- C. TEST GROUND FAULT PROTECTION CIRCUIT IN
ACCORDANCE WITH INSTRUCTIONS PROVIDED.

4 - DANGER - LINE AND CONTROL VOLTAGE
PRESENT. BEFORE WORKING ON THIS
EQUIPMENT DEENERGIZE ALL WIRING
AT THE SOURCE.

DATE	REV	CHANGE
11-1-79	2	ADDED NOTE #4
12-1-79	1	RECEIVED NOTE #3

ELEMENTARY DIAGRAM



FP-C240-480-A

CONTROL CIRCUIT DIAGRAM
FAULT PROTECTOR
WITH BLOWN FUSE DETECTOR
FOR
FP
BOLTED CONTACT SWITCHES

PRINGLE ELECTRICAL MFG. CO.
FORT WASHINGTON, PA. U.S.A.

TOLERANCES
UNLESS OTHERWISE NOTED
FRACTIONS:
DECIMALS:
DEGREES:
TYPICAL

ORDER # 7030
SCALE 1" = 1" DATE 11-1-79
DRAWN BY PA CHECKED BY
B-61513