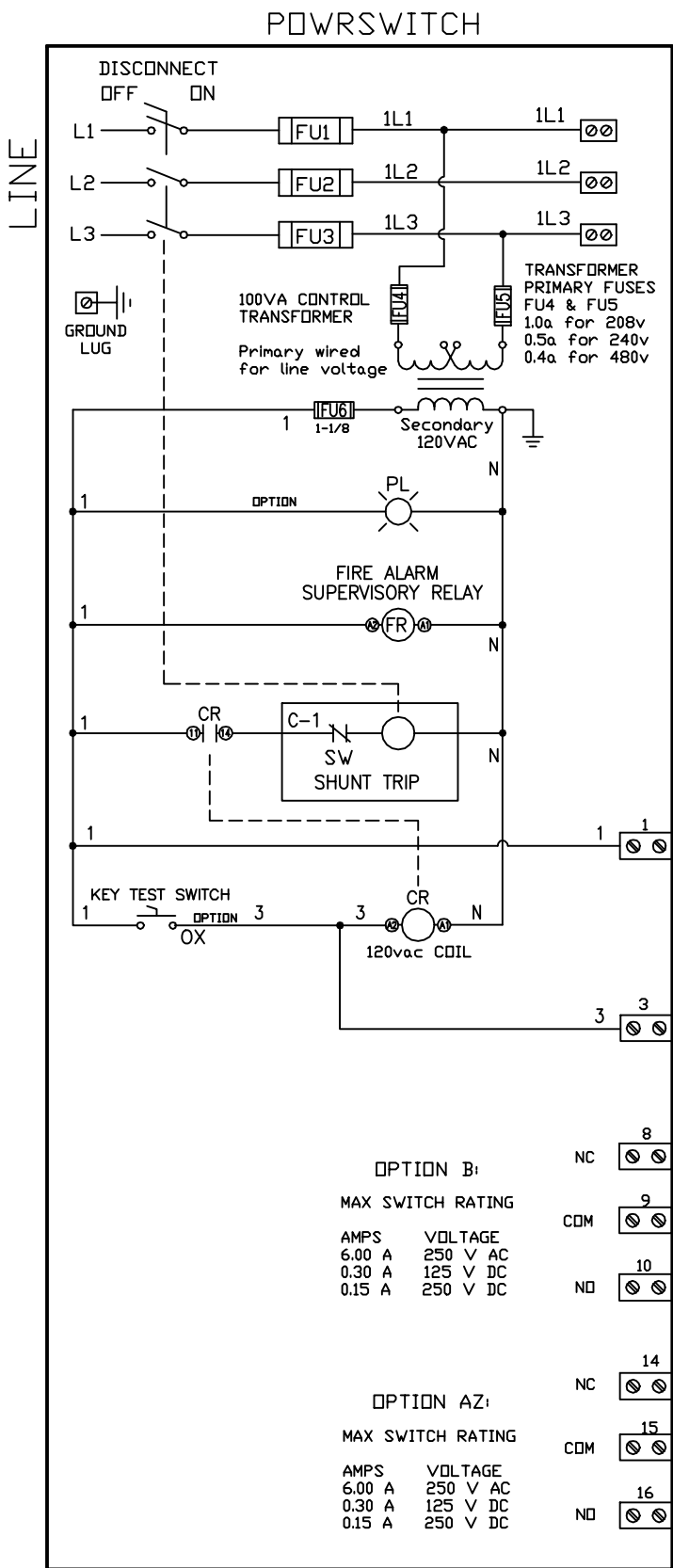


# POWRSWITCH SCHEMATIC R1-AZ

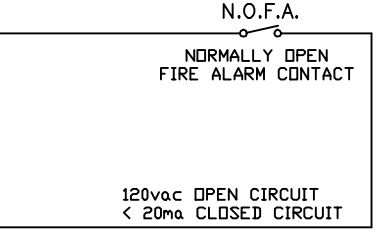


LOAD

## TERMINOLOGY

- LINE -Connection to the input source of power.
- LOAD -Connection to the protected circuit load.
- DISCONNECT -Main switch that disconnects power via manual, or shunt trip.
- CONTROL TRANSFORMER -Converts the incoming line voltage to 120vac.
- PL -An optional door pilot light used to indicate the presence of control voltage.
- Fire Alarm Supervisory Relay -Optional relay (FR) for monitoring control voltage.
- N.O.F.A. -Abbreviation for Normally Open Fire Alarm (contact closure initiates shunt trip).
- Fire Alarm Isolation Relay -Provides fire alarm initiating circuit isolation.
- KEY TEST -Optional door key-switch used for testing, to trigger a shunt trip disconnect.
- SHUNT TRIP -Mechanism, triggered by CR closure, that opens the disconnect.
- SW -Internal to the shunt trip mechanism that opens when the switch is tripped.

### SHUNT TRIP WIRING



120vac IS PROVIDED FROM WITHIN THE POWRSWITCH. ONLY A CONTACT CLOSURE IS NEEDED.

### MONITORING TERMINALS WIRING

**OPTION B:**

MAX SWITCH RATING

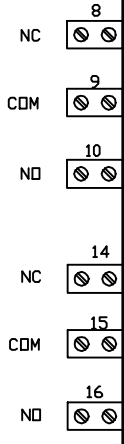
AMPS	VOLTAGE
6.00 A	250 V AC
0.30 A	125 V DC
0.15 A	250 V DC

**OPTION AZ:**

MAX SWITCH RATING

AMPS	VOLTAGE
6.00 A	250 V AC
0.30 A	125 V DC
0.15 A	250 V DC



**OPTION B:**  
Auxiliary contacts are mechanically interlocked to the main switch contacts. These auxiliary contacts follow the main switch contacts.

**OPTION AZ:**  
These contacts indicate the presence or absence of shunt control voltage. However, if the main switch is turned off, these contacts will indicate that shunt control voltage is present.



DATE	LTR	REVISION
10-22-07	F	RELABELED OPTION CONTACTS

PROJECT: POWRSWITCH - R1AZ

DATE 10-22-07	DRAWN BY RAJ	CHECKED BY FWS	SIZE A	SCALE N.T.S	DWG NO. PS-R1AZ-f	REV F
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