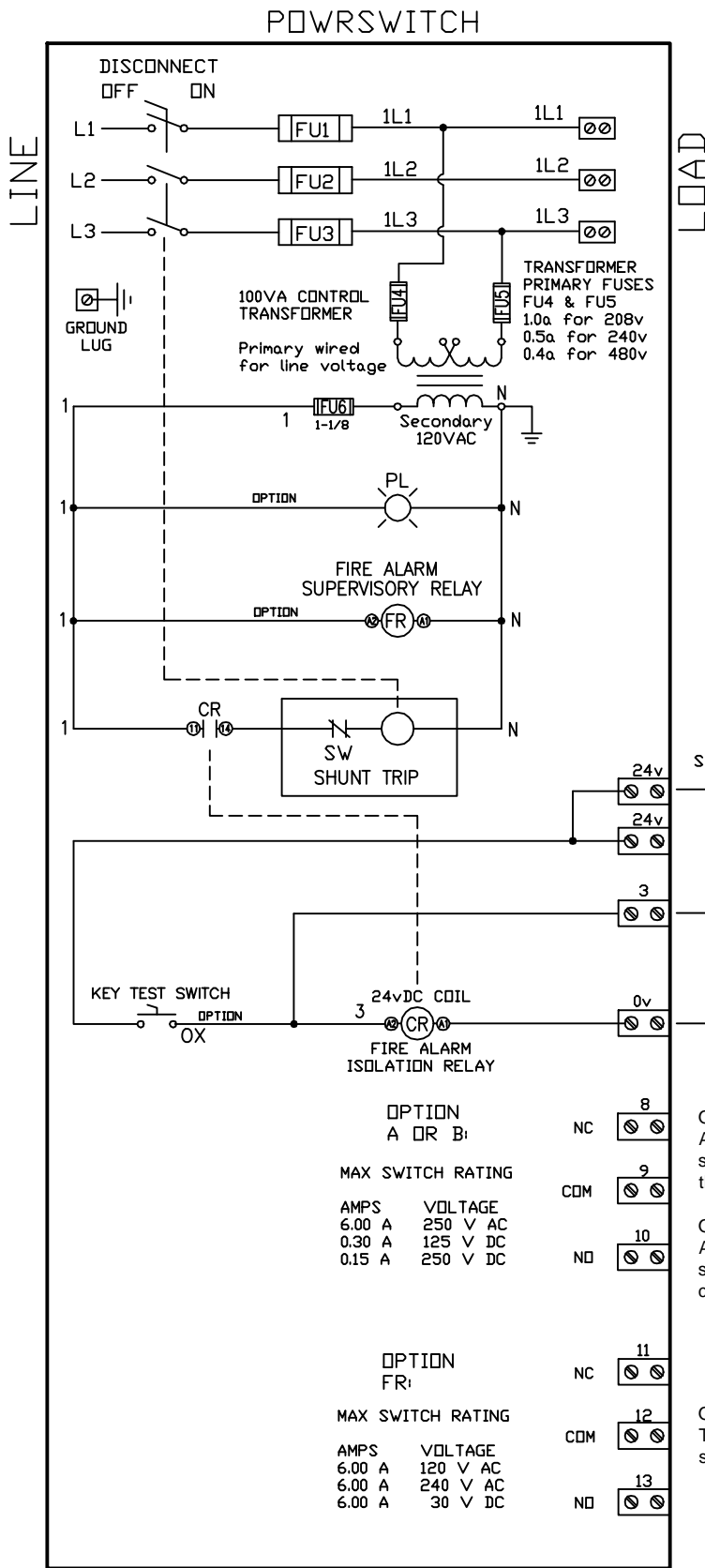


POWRSWITCH SCHEMATIC R2



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

THIS WIRE IS USED ONLY IF KEY TEST OPTION IS INSTALLED

N.O.F.A.
NORMALLY OPEN
FIRE ALARM CONTACT

FIRE ALARM
24v POWER
SUPPLY

MONITORING TERMINALS WIRING

OPTION A:

Auxiliary contacts are mechanically interlocked to the main switch contacts. These auxiliary contacts differentiate between the main switch being manually turned off or shunted off.

OPTION B:

Auxiliary contacts are mechanically interlocked to the main switch contacts. These auxiliary contacts follow the main switch contacts.

OPTION FR:

These FR relay contacts indicate the presence or absence of shunt control voltage.

DATE	LTR	REVISION
10-22-07	G	RELABELLED OPTION CONTACTS

PROJECT

POWRSWITCH - R2



DATE
10-22-07

DRAWN BY
RAJ

CHECKED BY
FWS

SIZE SCALE
A N.T.S

DWG NO.
PS-R2-2g

REV
G