



SECURITY DOOR CONTROLS

801 Avenida Acaso, Camarillo, Ca. 93012

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REGULATED POWER SUPPLY INSTALLATION INSTRUCTIONS

MODEL 631RF/631RFA

COMPONENT LOCATIONS

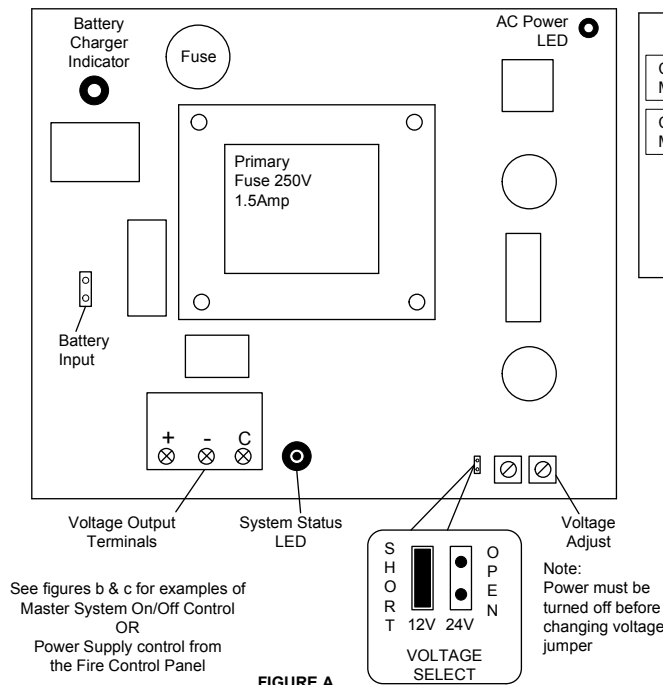
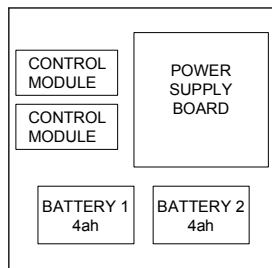
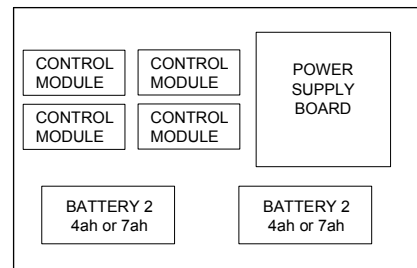


FIGURE A



STANDARD BOX



"A" OPTION BOX

MAIN SYSTEM ON-OFF OR FIRE PANEL CONNECTION

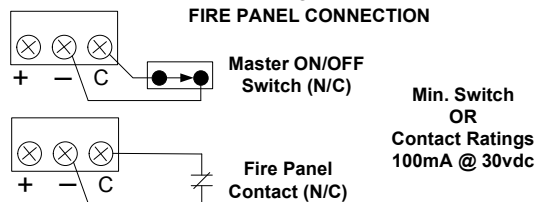


Figure C

POWER SUPPLY SPECIFICATIONS

Input Voltage: 115/230 VAC @ 60hz

Input Current: 0.8 amps Max.

Output Voltage: 12/24VDC (Special Applications)

Output Current: 1.5 amps

Ripple Voltage: 0.05 Volts Max

Battery Charger Max Current: 0.25 amps

Maximum recommended battery size: 7ah

(Replace batteries every three years)

**To determine standby battery capacity, refer to
Batter Discharge table (INST-BDT).**

Compatible UL listed Fire Devices:

**Smoke detector manufactured by ESL, Model 521B,
521BXT with Model 506 module.**

Suitable Uses:

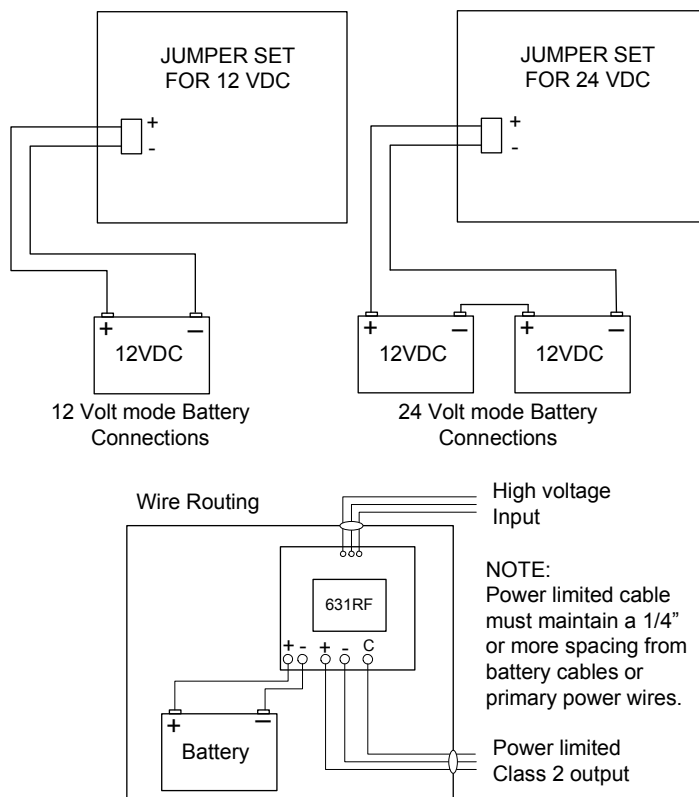
Electric Lock Power Supply

Access Control Power Supply

Burglar Alarm System Power Supply

**NOT INTENDED TO POWER A LOCAL
BURGLAR ALARM INDICATING DEVICE.**

TEST UNIT YEARLY





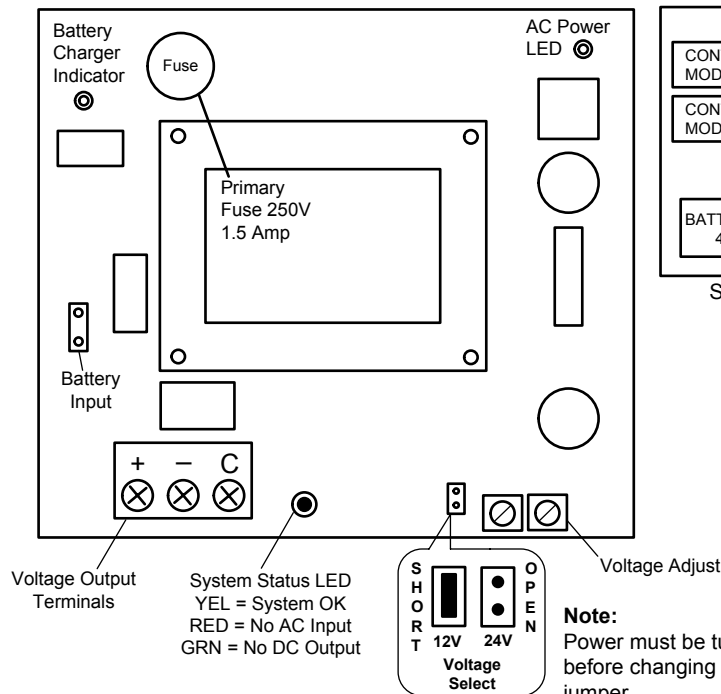
Security Door Controls

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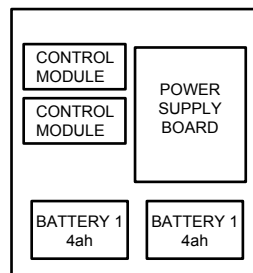
REGULATED POWER SUPPLY INSTALLATION INSTRUCTIONS

MODEL 631RF-CUL/631RFA-CUL

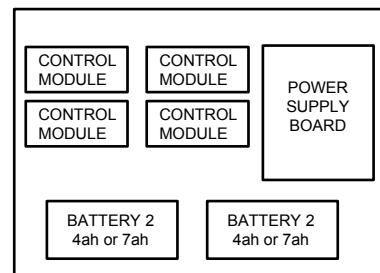
MODEL 631RF-CUL/631RFA-CUL



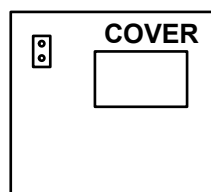
COMPONENT LOCATIONS



STANDARD BOX



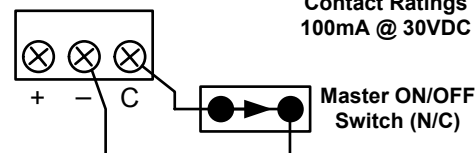
"A" Option Box



BATTERY MONITOR LEDS
GRN = AC
RED = BATTERIES
ORG = NO/LO BATTERY

MAIN SYSTEM ON-OFF

Min. Switch or
Contact Ratings
100mA @ 30VDC



Note:
Power must be turned off
before changing voltage
jumper.

POWER SUPPLY SPECIFICATIONS

Input Voltage: 115/230 VAC @ 60hz
Input Current: 0.8 amps Max.

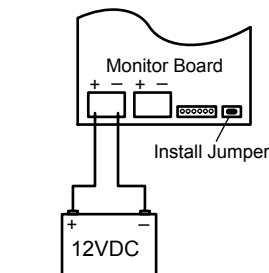
Output Voltage: 12/24VDC (Regulated)
Output Current: 1.5 amps
Ripple Voltage: 0.05 Volts Max.

Battery Charger Max. Current: 0.25 amps
Maximum recommended battery size: 7ah
Recommended Battery: SDC Model RB12V7
(Replace batteries every 3 years)

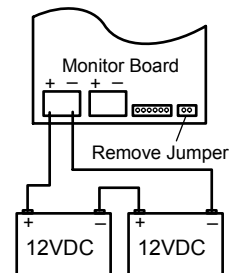
To determine standby battery capacity refer to
Battery Discharge Table (INST-BDT).

Suitable Uses:
Electric Lock Power Supply
Access Control Power Supply

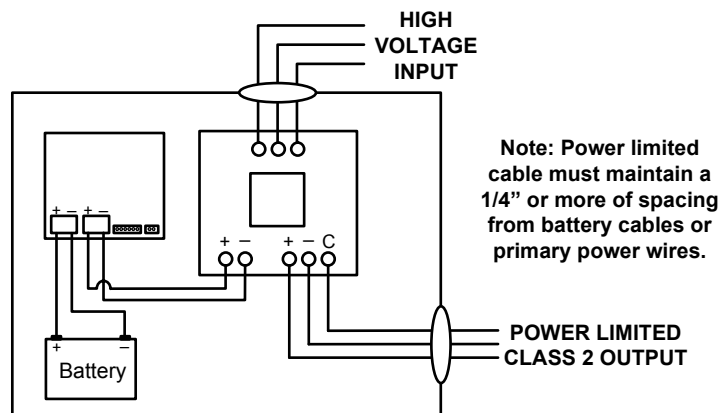
TEST UNIT ANNUALLY



12 Volt Mode Battery
Connections



24 Volt Mode Battery
Connections



Note: Power limited
cable must maintain a
1/4" or more of spacing
from battery cables or
primary power wires.

**POWER LIMITED
CLASS 2 OUTPUT**



INSTALLATION INSTRUCTIONS

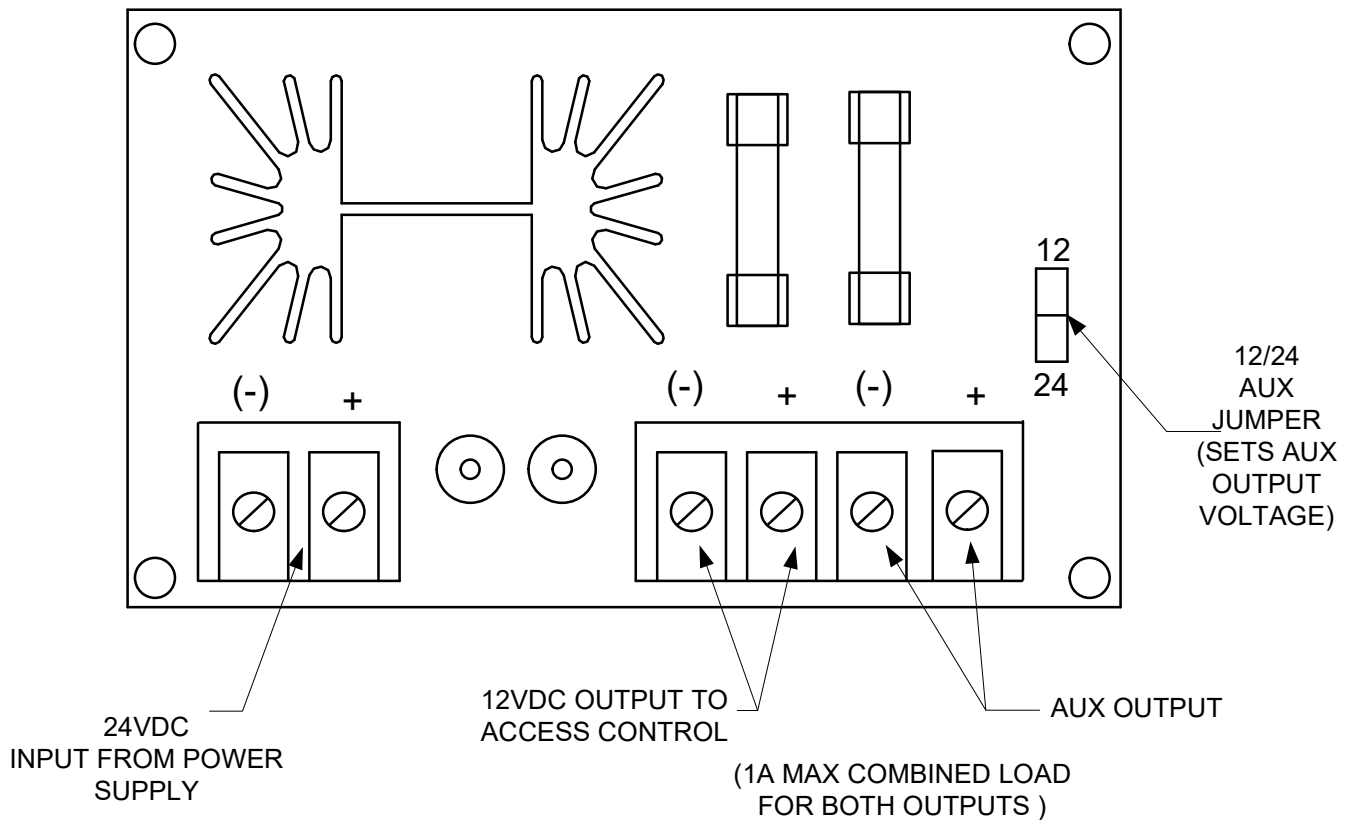
12VR REGULATOR MODULE

The 12VR is a 12VDC, Regulated and Filtered Output Module. All SDC power supplies are field selectable for a single 12VDC or 24VDC output. The addition of the 12VR module enables simultaneous 12VDC and 24VDC output capability.

WIRING INSTRUCTIONS:

Set the power supply output voltage to 24VDC. Use the output terminal of the power supply to provide power to locking devices or other components that require 24VDC to operate.

Connect the output terminal of the power supply to the 24V DC IN terminal of the 12VR module. Connect the Access Control or other devices that require 12VDC to operate to either the OUT1 or OUT2 terminal. The maximum combined load of both outputs of the 12VR must not exceed 1amp.



INSTALLATION WIRING DIAGRAM FB-4 and FB4DC FUSED TERMINAL BOARDS

The FB-4 provides four (4) individually fused outputs for modular system protection. A 2 amp fuse is supplied for each of the 4 fused outputs. Determine the load requirement for each output and change the fuse with a different rating as needed. The output voltage supplied to each output is the same as the voltage input. The total current required for all of the outputs must not exceed the power supply output current rating.

The FB4DC includes an integrated full wave bridge rectifier to allow the use of an AC transformer or a DC power supply to provide a DC output voltage.

