



INSTALLATION INSTRUCTIONS

631RF & 631RFA 1.5 AMP REGULATED POWER SUPPLY

Specifications

Input Voltage: 115 VAC @ 50/60Hz
230 VAC @ 50/60Hz (Optional)
Input Current: 0.8 Amp Max.

Output Voltage: 12 or 24 VDC

Output Current: 1.5 Amp

Battery Charger Current: 0.25 Amp Max.
Battery size: 4Ah
(Replace batteries every three years.)

Output Voltage Ranges:
■ 9.2 – 12.0 VDC @ 12 VDC
■ 21.2 – 24.0 VDC @ 24 VDC

To determine standby battery capacity, refer to Battery Discharge Table, or SDC online tool Voltage & Wire Calculators.

Ripple Voltage: 0.05 Volts Max

**SECURITY
SIGNALING**



LISTED

**ACCESS CONTROL
POWER SUPPLY
SECURITY AND FIRE
ALARM EQUIPMENT
2S47**

Suitable Uses:

Electric Lock Power Supply
Access Control Power Supply
Burglar Alarm System Power Supply
Fire Protected Signaling Service

Compatible UL listed Fire Devices:

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

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

TEST UNIT YEARLY

Certifications

- UL 294 Access Control System Units
- UL 603 Power Supplies for Use with Burglar-Alarm Systems
- UL 864 Control Units and Accessories for Fire Alarm System
- UL 1481 Fire Protective Signaling Systems
- ULC-S318 Power Supplies certified for Canada
- UL File: S7074
- UL File: BP7341

Battery Discharge Table

Power Supply Load (Amps)	Hours of Power Backup			
	12 VDC		24 VDC	
	1 Battery 12V 4Ah	1 Battery 12V 7Ah	2 Batteries 12V 4Ah	2 Batteries 12V 7Ah
0.25 A	14.6	30.7	14.6	30.7
0.50 A	5.8	12.1	5.8	12.1
0.75 A	3.3	7.1	3.3	7.1
1.00 A	2.3	4.8	2.3	4.8
1.50 A	1.3	2.8	1.3	2.8

Note:

For 24 VDC standby power, minimum of two 12V batteries must be used.



WARNING: CANCER AND REPRODUCTION HARM
www.P65Warnings.ca.gov

Any suggestions or comments to this instruction or product are welcome. Please contact us through our website or email engineer@sdsecurity.com

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