



602RF - 1 Amp Power Supply

Modular Access Control Power Supply

Field Selectable 12VDC or 24VDC Output - Standard
Dual 12VDC and 24VDC Output - Optional

All SDC power supplies are equipped with a high performance transformer and highly reliable electronic components. Filtering and output voltage regulation provide protection and ensure the longevity of all system components. With the addition of SDC programmable controllers or relay modules, the user-friendly modular designs ensure versatility, interface capability and easy installation of electric locking devices, access controls and related safety equipment.

Class 2 Outputs

To simplify installations that do not require conduit, a Class 2 output is standard and a 6-foot power cord is optional for the 115VAC input where permitted by code.

Modular Design

Door control relay modules are available to meet virtually any application need. All wiring for lock hardware, access controls remote control and monitoring is terminated at one central location. Installation and troubleshooting is simplified.

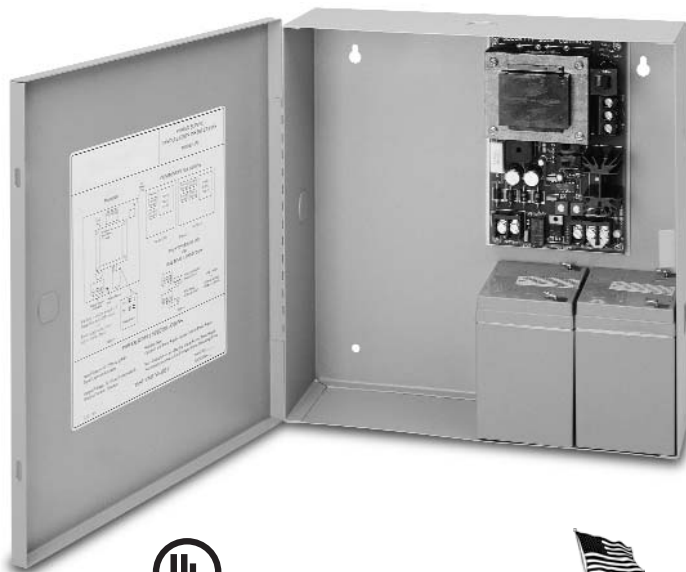
Modules may be factory installed or ordered separately for field installation as needed. All modules are individually fused for protection of multiple station systems.

Electrical Specifications

Input: 115VAC, 600 mA, 50/60 Hz (230VAC optional)
Output: 12/24VDC, 1 Amp
Battery Charger: 13.5/27VDC, 500 mA

Mechanical Specifications

Cabinet: 11.5" x 11.5" x 3.5", 18 GA
292mm x 292mm x 89mm



Access Control Systems Unit ALVY
Fire and Burglar Alarm Power Supply APHV
Releasing Device Accessory SYSW

Features

Fire/Life Safety

A fire alarm input provides simultaneous release of all fail safe locks and door holders in case of an emergency.

Field Selectable Output

The output is field selectable to provide 12VDC or 24VDC. One power supply is stocked for both 12 and 24VDC applications.

Input and Output Protection

The AC input voltage is circuit breaker protected and the secondary output is PTC protected.

System Status

LED status indicators provide information regarding the AC input, DC output, and battery back up status. Outputs for remote annunciation are available.

Battery Charging Output

A separate PTC protected charging output provides 13.5 or 27 volts to fully charge the batteries. The secondary output is always precisely maintained at 12 or 24VDC to protect locking devices and components from over voltage while the batteries are charging. The specified secondary output current is also maintained while batteries are charging.

De-rating of the secondary output current is not required when charging batteries.

Low Battery Disconnect

Batteries are disconnected from the output circuit when discharged below 70%, preventing battery destruction.

Door Control Modules

SDC relay modules may be incorporated in the power supplies to meet virtually any application requirement, for single or multiple door control.

SECURITY DOOR CONTROLS

www.sdcsecurity.com E-mail: service@sdsecurity.com



Options

- KL** Key lock cover
- MR** Manual reset fire alarm release
- PC** Power cord, 6 FT
- PS-1** System on-off push switch mounted inside cabinet
- PS-1A** System on-off push switch mounted outside cover.
- 230VAC** 230VAC input (Not UL)
- 14-2** 7 day skip a day timer

Battery Back-Up Selection

- RB12V4** 4.5 Amp hour battery

The 602RF power supply is equipped with a battery charger and may accommodate up to four RB12V4 batteries that provide continuous operation of access controls and locking hardware during a power failure. A signal from the fire/life safety system will override battery backup.

Back-up time for 12V and 24V using 4.5 Ah batteries

Load	Time	
(Amp)	*4.5 Ah	**9 Ah
0.25	17 hours	33 hours
0.50	8	15
0.75	4.5	9
1.00	3	6

*12V (1 battery), 24V (2 batteries)

**12V (2 batteries), 24V (4 batteries)



Power Supply with Optional PC 6 Foot Power Cord

Dual 12VDC and 24VDC Outputs

12VR 12 Volt Regulated and Filtered Output Module
With the power supply output set at 24VDC for locking devices and components, the addition of the 12VR provides a separate 12VDC, 500 mA output for 12V access controls and components. The total load of both outputs combined may not exceed 1 Amp.

Input: 24VDC **Output:** 500 mA @ 12VDC

Multiple Outputs

PTC4-075 Four individual PTC protected, 750 mA outputs with automatic reset. Use of PTC protection ensures against improper fuse replacement.

FB-4 Four fuse protected outputs for precisely calculated and faster acting protection.
(2 modules provide 8 outputs).

Door Control Modules

Contacts: 2.5 Amps inductive, 5 Amps resistive @ 30VDC unless specified otherwise.

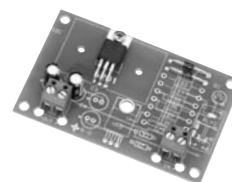
ACM-1 Access Control Module
Voltage input: 12 or 24VDC
(1) SPDT voltage output
(1) SPDT dry contact
(8) SPDT trigger inputs (4-NC,4-NO)
(1) LED status indicator

CR Relay Module
(Specify 12V or 24VDC)
(1) Fused, SPDT voltage output
(1) SPDT dry contact
(1) N.O. dry trigger input
(1) Normally off, voltage trigger input

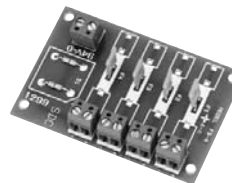
CR4 Four Station Relay Module
Voltage input: 12 or 24VDC
(4) Fused, 2A SPDT dry outputs
(4) 2A SPDT dry outputs
(4) N.O. dry trigger inputs

LR Latching Relay Module
(Specify 12V or 24VDC)
(1) Fused, SPDT voltage output
(1) N.O. dry trigger input

TD Time Delay Relay Module
Voltage input: 12 or 24VDC
Timer Adj: 1-120 seconds
(1) Fused, SPDT dry contact
(1) Non-fused SPDT dry contact
(1) N.O. dry trigger input
(1) N.C. dry trigger input
(1) Normally off voltage trigger input
(1) N.O. timer reset input (Anti Tailgate feature)



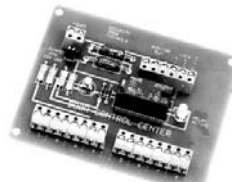
12VR



PTC4



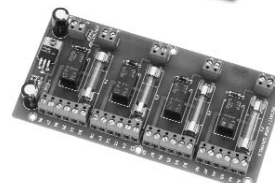
FB-4



ACM-1



CR



CR4



LR



TD

NEW