602RF 1 Amp Power Supply

Modular Access Control Power Supply

Field Selectable 12VDC or 24VDC Output - Standard
Dual 12VDC and 24VDC Output - Optional
California Compliant Manual Release 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.

UL LISTED

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

MADE IN THE USA

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: 12" x 12" x 4", 18 GA
305mm x 305mm x 102mm

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.

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 prior to deep discharge 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.



602RFL
1 Amp Power Supply
Less Box



Power Supply with Optional
CR4 and PC 6 Foot Power Cord

Model

602RFL 1 Amp power supply only
Less box

602RF 1 Amp power supply
12" x 12" x 4" cabinet

Options

PC Power cord, 6 FT

KL Key lock cover

MR-1 Push switch for manual reset of emergency release and AC power loss. California state compliant (CSFM). Consult your local Authority Having Jurisdiction (AHJ) for reset requirements.

PS-1 System on-off push switch mounted inside cabinet

PS-1A System on-off push switch mounted on outside cover

230VAC 230VAC input (Not UL)

14-2 7-day programmable timer.

Battery Back-Up Selection

RB12V4 5 Amp hour battery

Emergency release input overrides battery back-up, maximum 4 batteries.

Back-up time for 12V and 24V using 5 Ah batteries

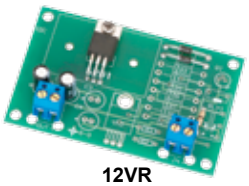
Load	Time	
(Amp)	*5 Ah	**10 Ah
.25	20 hours	40 hours
0.50	10	20
0.75	7.5	15
1.00	5	10

***12V (1 battery), 24V (2 batteries)**
****12V (2 batteries, 24V (4 batteries)**

Module Capacity

FB4: 2 max
PSM, 12VR: 1 max
CR4, ACM-1: 2 max with 2 batteries
1 max with 4 batteries
UR1: 4 max with 2 batteries
2 max with 4 batteries

Dual 12VDC and 24VDC Outputs

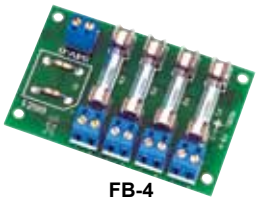


12VR

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



FB-4

FB-4 Four 2 Amp fuse protected outputs faster acting protection. (2 modules provide 8 outputs).

Door Control Modules

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



UR1

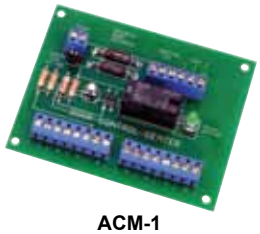
UR1 Universal Door Controllers
Voltage input: Automatic Voltage Sensing
12VDC @ 120mA, 24VDC @ 175mA
Trigger Inputs:
a) Two (2) N.O. dry inputs for individual relay
b) Tandem: Either N.O. dry input triggers both relays
Outputs : 2 form "C" SPDT outputs,
(N.C. failsafe, N.O. failsecure)
- 10 Amps (resistive), 7 Amp (inductive) @ 30VDC
- Wet (voltage) and/or Dry output
- Wet output voltage is same as module input voltage
- Two (2) LED relay active indicators

Relay Mode Output Configuration:
a) Two (2) Wet (power) and/or Dry outputs.
b) Tandem: Simultaneously activates both SPDT outputs
3.2" W x 2" L x 1" H (81.28 x 50.8 x 25.4 mm)



CR4

CR4 Four Station Relay Module
Voltage input: 120 mA @ 12/24VDC
(4) Fused, 2A SPDT dry outputs or voltage outputs
(4) 2A SPDT dry outputs
(4) N.O. dry trigger inputs
3.25"L x 2"W (83 x 51mm)



ACM-1

ACM-1 Access Control Module
Voltage input: 45mA @ 12/24VDC
(1) SPDT voltage output
(1) SPDT dry contact
(8) SPDT trigger inputs (4-NC,4-NO)`
(1) LED status indicator
5"L x 3.25"W (127 x 83mm)



14-2

Remote Monitoring

PSM Power Supply Remote Monitoring Module
The PSM Power Supply Monitoring module provides 2-SPDT, 1 Amp contacts to remotely monitor power supply and battery status.
Imput: 30mA @12/24VDC

Remote annunciation conditions include:
- System OK
- Battery Powered
- AC Fail – No DC Output
- System Off – No Battery



PSM

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