

# Door Control Relays Modules

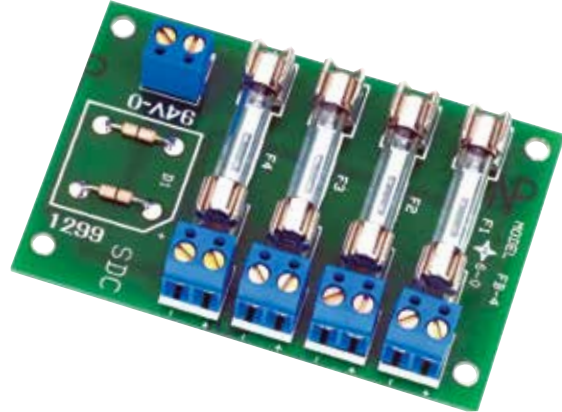
Door Control Relays Modules ensure compatibility of access hardware components and simplify system installation and troubleshooting. Different modules may be specified for one power supply. The isolated relay design allows small gauge cable runs of 22 gauge wire up to 1000 feet from the trigger device to the module.

## MULTIPLE FUSED OUTPUT

### FB-4

Four 2 Amp fuse protected outputs allow for precisely calculated circuit protection. Four modules provide 16 outputs.

- Distributes the primary DC output of any 600 series power supply into four, individually fused class 2 outputs
- Four separate outputs allow for termination multiple DC devices, providing ease of maintenance



### SPECIFICATIONS

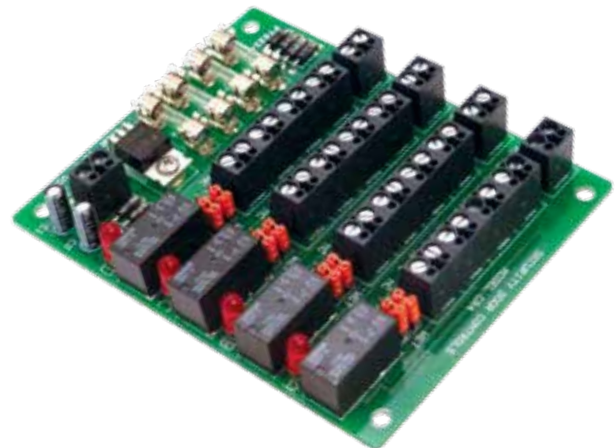
<b>Outputs</b>	4 Individually Fused @ 2 Amp
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## FOUR STATION RELAY MODULE

### CR4

- Allows for independent control of up to four separate electrified locking devices
- Distributes the primary DC output of any 600 series power supply into four, individually controlled relay DPDT outputs
- Each output is individually fused, and selectable as wet or dry
- LED's provide relay activation status



### SPECIFICATIONS

<b>Voltage Input</b>	120 mA @ 12/24VDC
<b>Inputs &amp; Outputs</b>	(4) Fused, 2A SPDT dry outputs or voltage outputs (4) 2A SPDT dry outputs or voltage outputs (4) N.O. dry trigger inputs
<b>Dimensions</b>	4.25" L x 3.375" W

Modules may be ordered with or without power supplies. Different function modules may be used in the same power supply or cabinet. Contacts: 2.5 Amps inductive, 5 Amps resistive @ 30 VDC unless specified otherwise.



## ACCESS CONTROL MODULE

### ACM-1

- Allows for control of a single electrified locking device from multiple activation devices (up to 6)
- LED provide relay activation status



### SPECIFICATIONS

<b>Voltage Input</b>	45mA @ 12/24VDC
<b>Inputs &amp; Outputs</b>	(1) SPDT voltage output (1) SPDT dry contact. 5A @30VDC resistive (6) trigger inputs (3-NC,3-NO) (1) LED status indicator
<b>Dimensions</b>	3.25" L x 2" W



## POWER BOOSTER

**PB-16** 16 Amp Power Booster

**PB-8** 8 Amp Power Booster

- Designed to control 1 or 2 high inrush current electrified locking devices
- Provides a total of 8A (PB-8) or 16A (PB-16) for 300ms, 1A continuous



**PB-16**



**PB-8**



### SPECIFICATIONS

	24VDC input
<b>Inputs &amp; Outputs</b>	(1) N.O. Dry trigger Input (1) Fused SPDT voltage output 1 Amp Continuous, 8 Amp or 16 Amp Surge
<b>Dimensions</b>	3.25" W x 2" H

Modules may be ordered with or without power supplies. Different function modules may be used in the same power supply or cabinet. Contacts: 2.5 Amps inductive, 5 Amps resistive @ 30 VDC unless specified otherwise.



# Door Control

## Monitoring and Sequencing

### POWER SUPPLY REMOTE MONITORING MODULE

#### PSM

The PSM Power Supply Monitoring Module provides 2-SPDT, 1 Amp contacts to remotely monitor power supply and battery status.



#### FEATURES

- Monitors Power Supply Input and Battery Backup
- On/Off Status
- Remote Annunciation Includes:  
System OK | AC Fail – No DC Output |  
Battery Powered | System Off – No Battery

#### SPECIFICATIONS

<b>Outputs</b>	2-SPDT Relay Outputs
<b>Relay Rating</b>	1 Amp @ 12/24VDC
<b>Dimensions</b>	3.25" W x 2" H



### EXIT DEVICE SEQUENCER

#### EMC

The EMC Dual Channel Sequencer Module may be used with the S6000FE, S6000PE, or LR100 series Electric Latch Retraction (ELR) device to provide a delayed signal to operate an automatic door operator or when powering a pair of ELR devices from a single SDC 600 series power supply.



#### FEATURES

- The two sequencer channels may be operated as two independent doors or in tandem mode for pairs of doors.
- Each sequencer channel provides an output to power the ELR device and a "delayed" dry auxiliary output for activation of an automatic door operator. All outputs are field selectable as Normally Open or Normally Closed.
- When the EMC is used in the tandem mode, power supply requirements for a pair of doors are minimized.
- Since the attached electric latch retraction devices are powered in a sequential manner, the inrush current of each device is staggered. This creates a lower current requirement upon activation. A smaller power supply can now be used to operate the pair of devices.

#### SPECIFICATIONS

<b>Input Voltage</b>	12VDC or 24VDC
<b>Input Current</b>	140mA max
<b>Output Voltage</b>	12VDC or 24VDC (Same as Input Voltage)
<b>Operator &amp; ELR Contacts</b>	10 AMP @ 30VDC (Resistive) (4 Relays)
<b>Access Control Inputs</b>	N/O Dry Contact (2 Inputs)
<b>Dimensions</b>	3.20"W x 4.30"H

Modules may be ordered with or without power supplies. Different function modules may be used in the same power supply or cabinet. Contacts: 2.5 Amps inductive, 5 Amps resistive @ 30 VDC unless specified otherwise.

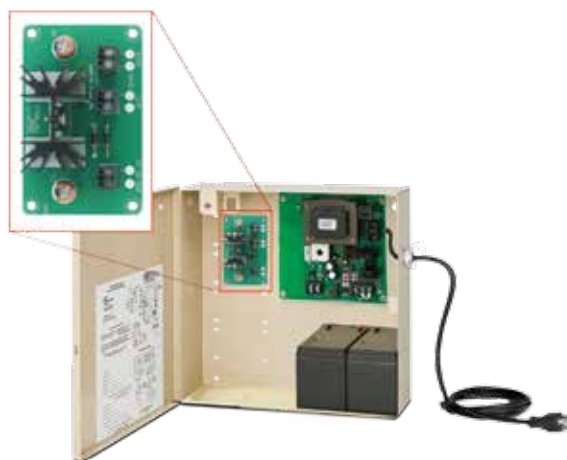


## VOLTAGE REGULATOR SEQUENCER MODULE



The addition of the **12VR Module** enables dual 12VDC and 24VDC output capability.

With the SDC 600 Series power supply output set at 24VDC for locking devices and components, the addition of the 12VR provides a separate 12VDC, 500 mA output for 12VDC Access Controllers and readers or other devices. The need for separate power supplies for 12VDC and 24VDC requirements within the same system is eliminated.



### FEATURES

- The addition of the 12VR provides a separate 12VDC, 500 mA output for 12VDC access controls and components. The total combined 12V/24V load may not exceed the maximum power supply output rating.

### SPECIFICATIONS

<b>Input</b>	24VDC
<b>Output</b>	500 mA @ 12VDC
<b>Capacity</b>	602RF One Maximum 631RF One Maximum 632RF Two Maximum 634RF Four Maximum 636RF Six Maximum
<b>Dimensions</b>	3.25" H x 2" W

