

## DESKTOP CONTROL SYSTEM SERIES 8800/8400

### *For Control of Doors and Intercom*

Southern Folger Detention Equipment Company's Desktop Control System is designed for small to medium sized applications where local control without full system integration is desired. Built around the Southern Folger 8410B Relay Card, the most versatile relay logic board on the market today, the system is available with a wide variety of optional special functions. Units come completely wired with internal power supplies, fully tested and ready to connect to field wiring and power.

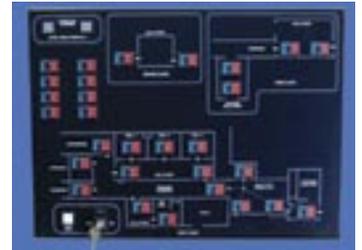
## 8800 SERIES

This basic 7" x 19" door control system for swinging and sliding doors is completely pre-wired and factory tested for easy onsite installation. This control panel is punched aluminum with a durable reverse engraved non-graphic overlay, which can be labeled with applicable functions. The system can be supplied for horizontal or vertical orientation. The 8800 Series provides control and indication for up to 8 relay points per panel and can be supplied with lamp test, group and emergency release features, and interlocks. Typically supplied for 19" rack mounting, the system can also be mounted in an optional 14" or 21" desktop turret. With the optional expansion backplane, up to three 8800 control panels, each with the capacity to control 8 relay points, can be installed in a 21" turret for control of up to 24 relay points per turret.



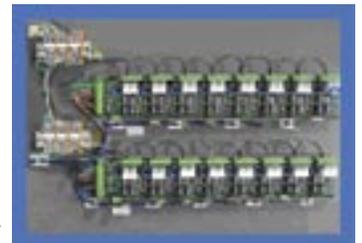
## 8400 SERIES

For specific space requirements, enhanced graphics and other customized applications, the 8400 Series provides enhanced features including CAD generated color graphic overlay, user specified dimensions from 6" x 6" through 48" x 48", and up to 100 relay points per control panel, depending upon size. Engineered to meet exact user requirements, the 8400 Series control system can be configured to operate complex, multi-group door/gate control with interlocks, an integral intercom master station, lighting or relay controller, in any combination. All of the custom features are in addition to those found in the 8800 Series controller. Mounting options include standard rack, turret, or custom. Units are typically supplied with expansion backplane for remote mounting of control circuitry. Southern Folger offers complete engineering of this system to meet your facility's needs through our full-service technical engineering and design group. Installation and maintenance is also available.



## 8800/8400 EXPANSION BACKPLANE

The optional expansion backplane is used with the 8800 and 8400 Series Desktop Control Systems. These PVC or steel backplanes (user specifies either plastic or steel) are designed to provide convenient mounting for power supplies, 8410B Relay Cards, wiring terminals and other components, as well as to serve as a customer field/power wiring point. Can be rack-mounted or wall-mounted in an optional NEMA 1-12 enclosure (For more information on NEMA ratings, see the National Electrical Manufacturers Association Standards Publication No. 250.) This backplane is required for rack mounted 8800 or 8400 control panels and all systems requiring more than two 8410B cards (16 relay points), or systems requiring custom wiring interfaces.



# SPECIFICATION OVERVIEW

## Operating Modes/Voltages:

Lock Control 24 VDC  
120 VAC

Indication 24 VDC Light Emitting Diodes -  
Red/Green (Standard)

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Supply Voltage: Internal 24 VDC (Mains Powered)  
Customer Supplied 24 VDC  
120VAC Mains Direct -  
Circuit Overload Protected

Switches: AML Microswitch Series 20 (Standard)

Power Consumption: 50 Watts

User Connections: DIN Rail Mounted Screw Terminals

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# OPTIONS AVAILABLE

Turret Mounting: 14", 21", Custom 8800/8400

Rack Mounted: Standard 19", Custom 8800/8400

Switches: All Contact Configurations, Pushbuttons,  
Cover Colors, Guards, Key Switches

Custom Graphics: AutoCad Generated -  
Unlimited Line Weights and Colors

Lamp Test: Standard 8800/8400

Group Release: Standard 8800/8400

Emergency Release: Standard 8800/8400

Interlock Override: Standard 8800/8400

Intercom Master Station: 8400 Only

Lighting Control: 8400 Only

Duress Indicators: 8400 Only

Custom Interface: 8400 Only

Panic Button: 8400 Only

Custom Enclosures: 8800/8400 NEMA 1 - 12

Custom Documentation 8400 Only

Other custom features are available.

## NOTES:

1. The maximum number of 8800 panels that can be mounted in a single 14" turret is 2.
2. The maximum number of 8800 panels that can be mounted in a single 21" turret is 3.
3. The expansion backplane is required for all systems utilizing more than 16 relay points and for rack mounted units. Sliding doors typically require 2 relay points, while swing doors typically require 1 relay point.



**SOUTHERN FOLGER**  
**DETENTION EQUIPMENT COMPANY**

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Contact Southern Folger's Customer Service Group at  
210-533-1231, fax: 210-293-4095 or  
email: [onesource@southernfolger.com](mailto:onesource@southernfolger.com) for more information.

## SOUTHERN FOLGER SS2000 LOCK TEST UNIT

The Southern Folger SS2000 Test Unit is designed to operate all Southern Steel electric locks and locking devices. Updated controls have been simplified and consolidated into a single set of control switches for all lock functions.



## SOUTHERN FOLGER SS2000 LOCK TEST UNIT

The SS2000 Test Unit is a sturdy, portable tester for use by facility maintenance and detention equipment contractors. It is an excellent tool for preventive maintenance checks with easy-to-read indicator lights. The unit will operate virtually all models of Southern Steel electric and pneumatic locks and sliding door locking systems.

Standard features include:

- **Test Unit to Product Connectors**
  - 24VDC Products
    - The test unit is equipped with a 12-pin “Molex” connector.
    - Includes a 12-pin to 6-pin adaptor for models with a 6-pin “Molex” connector.
  - 120VAC Products
    - The test unit is equipped with a 6-pin “Molex” connector.
    - Includes a 6-pin to 6-pin adaptor.
- “M” and “MD” functions for full and half cycle lock testing
- **Auto-cycle controller** – this new feature allows the user to continuously cycle locks or sliding doors automatically with any of three preset timing durations. Custom timing cycles can be programmed upon request.
- **Safety features** – automatic interlocks to prevent improper lock/door voltages from being selected.
- **Fuse replacement** – a fuse holder is mounted on the front of the test unit for easy fuse replacement.
- **Case** – Durable Steel Case with stainless steel handle for ease in carrying.

**Power Connection** – all units are equipped with a 3-prong, industrial-rated 120VAC GFI power plug with integral test and reset controls.

# STANDARD SOUTHERN STEEL PRODUCTS

## Locks

## Sliding Door Devices

24VDC Products	120VAC Products	24VDC Products	120VAC Products
1051M	1050D	8010L	3150LX
1051P	1051E	8050L	3165LX
10120AM	1051M	8065L	4110L
10300E	1058M	4110L	
10300M	10120AE		
10300P	10120AM		
10600			

The SS2000 Test Unit also works on most non-standard products.  
Please call Customer Service for more information.

## SPECIFICATION OVERVIEW

Indications: Power, Door Secure LED,  
Door Unsecured LED

Supply Voltage: 120VAC

DC Voltage Adjustment: Internal 24VDC Adjustment (+ 5VDC)

Power Consumption: 85 Watts

Weight: 10 pounds

Dimensions: Height 10", Width 6", Depth 5"

Case: Durable Cast Aluminum Enclosure



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## SOUTHERN FOLGER FA2000 TEST UNIT

The Southern Folger FA2000 Test Unit is designed to test all Folger Adam electric locks and locking devices in one light-weight unit.



## SOUTHERN FOLGER FA2000 TEST UNIT

The FA2000 Test Unit is a sturdy, portable tester for use by facility maintenance and detention equipment contractors. It is an excellent tool for preventive maintenance checks with easy-to-read indicator lights. This unit will operate virtually all models of Folger Adam electric and pneumatic locks and sliding door locking systems.

Standard features include:

- Test Unit to Product Connectors - A field adaptor lock lead with a 12-pin “Molex” connector is included for both 24VDC and 120VAC locks.
- Test Adaptor with Alligator Clips – For older locking device built before plug connectors were included, an adaptor with alligator clips is included for attaching to terminal strip.
- A ten-foot electric lock/device cable is provided with a universal field receptacle.
- Voltage Selector – A multi-voltage selector switch allows operation of 24VDC, 24VAC and 120VAC units.
- Indication Lamps – Two sets of indication lamps are included on each unit. On dual-switch locks and devices, independent testing of each switch function can be accomplished simultaneously.
- Three-position center-off control switch allows open/close, lock/unlock and lock/group type testing. The control switch is momentary contact, spring loaded to the center-off position. Testing of a maintained-control product is also possible.
- Circuit Breaker – A three-amp re-settable circuit breaker is mounted on the front of the case eliminating the need for fuses.
- Case – Cast aluminum case.
- Power Cord – all units are equipped with a ten-foot power cord for use on a standard 120VAC wall outlet.

# The FA2000 Test Unit – Works with All Standard Folger Adam Products

## Locks

## Sliding Door Devices

24VDC Products	120VAC Products	24VDC Products	120VAC Products
51M	51E/M	KR, KR.3, KR.3P	2B, 2B.3
50HBM, 50P	50HBM	2B.3P	3B, 3B.3
120M/MC/P	120E/M/MC/ED/RUP	D2B.3P	KR
NS400E/M/MC/MCD/P			D2B
D9300			D3B, D3B.2
			D5B
			DKR

The FA2000 Test Unit also works on most non-standard products.  
Please call Customer Service for more information.

## SPECIFICATION OVERVIEW

Indication:	Door Secure/Unsecured Auxiliary Secure/Unsecured
Supply Voltage:	Standard 120 VAC Plug
Weight:	5 lbs.
Dimensions:	8 1/2 x 4 3/4 x 4 1/8"
Case:	Cast Aluminum Enclosure

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## **SOUTHERN FOLGER DETENTION EQUIPMENT COMPANY UNIVERSAL LOCK TESTER –**

### *Bench Model UBT 2000*

The new Universal Lock Tester is designed to combine the most popular features of multiple test units into one compact bench-top tester. A wide variety of devices, including 120/24VAC, 24VDC, Variable Voltage AC/DC devices, pneumatic locks and indicator circuits, can all be tested easily with this one unit. It also features maximum user safety, is lightweight and has a very small footprint. All user controls are ergonomically arranged and color-coded to provide ease of use and convenience.

## **BENCH MODEL UBT 2000**



# SPECIFICATION OVERVIEW

## Test Modes:

Lock Control 24 VDC  
0-28 VDC Variable (Metered)  
120 VAC  
0-24 VAC Variable (Metered)  
24 VDC Controlled,  
0 – 160 PSIG Pneumatic Devices  
Local Keyswitch Enable

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Indication Door Secure/Unsecure  
Auxiliary Secure/Unsecure

Supply Voltage: Standard 115VAC equipped with integral GFIC and thermal circuit overload protection.

Voltage Adjustment: 2.25 kVA autotransformer stabilized voltage regulation between 0 and 28 Volts DC/24 Volts AC using front mounted calibrated dial and meter.

Power Consumption: 30 Watts

Weight: 14.75 lbs

Dimensions: Height 4.75 in., Width 10.25 inches,  
Depth 11.5 inches

Case: High impact plastic resin for maximum electrical shock resistance and durability.

Filter Regulator: Arrow Pneumatics B741 with integral lubricator and air setting lock with quick connect tubing fittings.

User Connections: Surface Mount Molex Connectors



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