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)

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.

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**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.
The Southern Folger SS2000 Lock 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.

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

<table>
<thead>
<tr>
<th>Locks</th>
<th>Sliding Door Devices</th>
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<tbody>
<tr>
<td><strong>24VDC Products</strong></td>
<td><strong>120VAC Products</strong></td>
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<tr>
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<tr>
<td>1051P</td>
<td>1051E</td>
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<td>10120AM</td>
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<td>10300P</td>
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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

Contact Southern Folger’s Customer Service Group at 210-533-1231, fax: 210-293-4095 or email: onesource@southernfolger.com for more information.
The Southern Folger FA2000 Test Unit is designed to test all Folger Adam electric locks and locking devices in one lightweight 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

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<tr>
<td>51M</td>
<td>51E/M</td>
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<tr>
<td>50HBM, 50P</td>
<td>50HBM</td>
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<td>120E/M/MC/ED/RUP</td>
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<td>D9300</td>
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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

Contact Southern Folger’s Customer Service Group at 210-533-1231, fax: 210-293-4095 or email: onesource@southernfolger.com for more information.
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.
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

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

Contact Southern Folger’s Customer Service Group at
210-533-1231, fax: 210-293-4095 or
email: onesource@southernfolger.com for more information.