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S&G 2890C

S&G 2890C Webinar

August 20, 2020

Secure Entry. Safe Exit.

Built to Federal Specification FF-L-2890C



About the Presenter



Michael Brislin

Michael Brislin has over 13 years of experience in the security locking industry. He has an extensive background in product training, leading over 700 students through various levels of locksmith training. A proven leader, Michael brings a wealth of industry knowledge and a high level of energy to the classes he leads.



Webinar Agenda

- S&G presence in Secured Government Spaces
- ICD 705 SCIF Door Criteria
- Federal Specification FF-L 2890C
- S&G 2890C Product Launch
- Product Review
- Q&A



S&G 2740B

- ***Meets Federal Specification FF-L-2740B*** for protection of classified materials
- GSA-approved for security containers including safes and vault doors
- Standard footprint and bolt throw with simplified installation process for easy retrofit on existing applications





FF-L-2890 History

1997 FF-L-2890

- First outline of SCIF life safety device - 4 Types some ADA compliance

2004 FF-L-2890A

- Some changes/improvements to earlier specification. Must be GSA certified.

2010 ICD-705

- Government Directive - SCIF must have GSA approved FF-L-2890A lock.

2012 FF-L-2890B

- “B” specification requires 6 Types and added fire test requirement.

2015 **S&G GSA Approval 2890B**

- 2890B first approved product line in the market

2019 FF-L-2890C

2020 **S&G GSA Approval 2890C**

- Full 2890C Product Line GSA Approved



ICD 705 SCIF Door Criteria

There shall be only one primary SCIF entrance where visitor control is conducted

Primary entrance doors shall be equipped with the following:

- 1) GSA-approved pedestrian door deadbolt meeting Federal Specification FF-L-2890
- 2) Combination lock meeting Federal Specification FF-L-2740A
- 3) Approved access-control device (see Chapter 8)
- 4) May be equipped with a high security keyway for use in the event of an access control system failure

With AO approval, additional entrance doors may be designated for use by SCIF residents provided that the doors are equipped with an approved access control system and are secured with an approved dead bolt or lock when the SCIF is not occupied. The dead-bolt shall not be accessible from the exterior.



FF-L-2890C Overview

Design

- Intent of specification is to provide door locking hardware that meets the labeling requirements of the door lock assemblies and auxiliary deadbolts while providing sufficient security.

Intent

- Lock extensions tested and qualified under this specification are to be sold only to the Federal Government, Government contractors specifically authorized to purchase these lock extensions, or other organizations or persons specifically authorized or required by the government to use these lock extensions.

Classification

- Primary lock extensions complete with FF-L-2740 or Secondary lock extensions with no integrated FF-L-2740

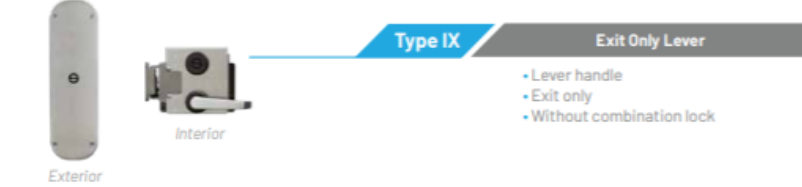
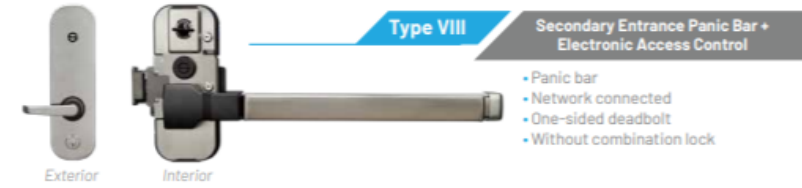
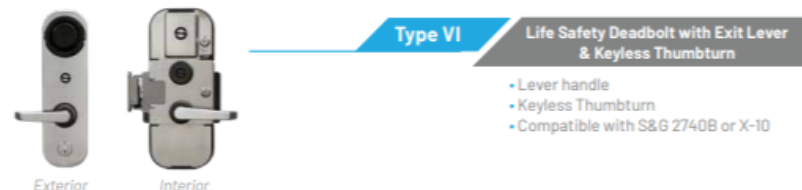
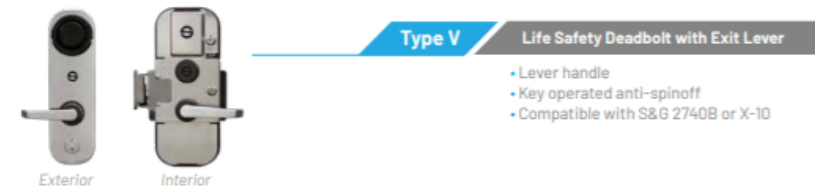
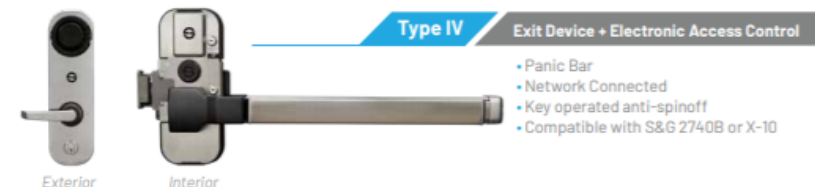
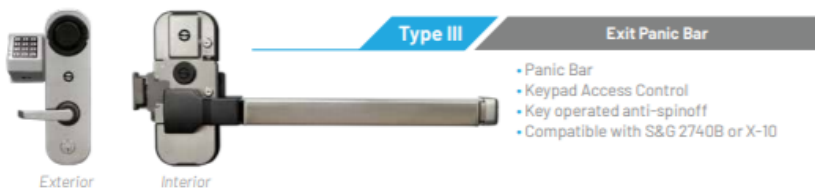
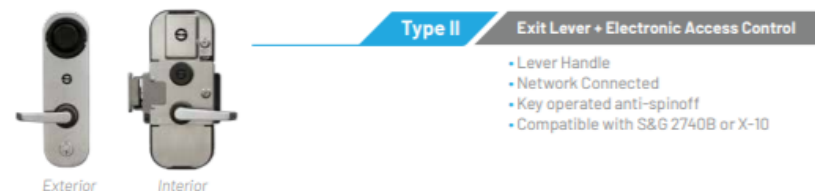


S&G 2890C Types

2890C Type Solutions

Equipped with an interior panic bar or integrated lever, S&G 2890C is available in ten lock types and provides single motion egress at all times from within the SCIF.

One Design. Ten Lock Type Solutions.





S&G 2890C Primary Entrance

Types I & III

Formerly referred to as “mechanical access control”, Types I & III require a standalone combination entry device.

- Keypad Access Control
- Key Operated Anti-Spinoff
- Compatible with S&G 2740B or X-10

Type I (Lever Handle)



Exterior

Interior

Type III (Panic Bar)



Exterior

Interior



S&G 2890C Primary Entrance

Types II & IV

- Electronic Access Control
- Key Operated Anti-Spinoff
- Compatible with S&G 2740B or X-10

Type II (Lever Handle)



Exterior



Interior

Type IV (Panic Bar)



Exterior



Interior



S&G 2890C Primary Entrance

Types V & VI

- Life Safety Deadbolt with Exit Lever
- Compatible with S&G 2740B or X-10

Type V (Lever Handle)



Exterior

Interior

- Lever Handle
- Key operated anti-spinoff
- Compatible with S&G 2740B or X-10

Type VI (Lever Handle)



Exterior

Interior

- Lever Handle
- Keyless Thumbturn
- Compatible with S&G 2740B or X-10



S&G 2890C Secondary Entrance

Types VII-VIII

New configurations for secondary doors:

- 1) Includes emergency exit only device and an access control enabled device with a one-sided deadbolt
- 2) Do not include a 2740B- compliant combination lock

Type VII



Exterior

Interior

- Networked access control
- One-sided deadbolt
- Lever handle

Type VIII



Exterior

Interior

- Networked access control
- One-sided deadbolt
- Panic bar



S&G 2890C Exit Only

Types IX-X

New configurations for exit only doors:

- 1) Includes emergency exit only device with either a panic or lever exit
- 2) Blank exterior trim plate
- 3) Conversion-ready
- 4) Do not include a 2740B- compliant combination lock

Type IX



Exterior



Interior

- Emergency exit only
- No 2740B compliant lock
- Lever handle

Type X



Exterior



Interior

- Emergency exit only
- No 2740B compliant lock
- Panic bar



2890C Alarm Integration Kit

- Monitor the complete status of 2890C by integrating with an existing security monitoring system
- Configurable to monitor any combination of the **six** different lock positions





Certifications

- ANSI/BHMA A117.1 – Accessible and Usable Buildings and Facilities
- ANSI/BHMA A156.2 – Bored and Preassembled Locks and Latches
- ANSI/BHMA A1 – Exit Devices
- ANSI/BHMA A1 – Auxiliary Locks

- MIL-STD-129 – Military Marking for Shipment and Storage
- MIL-STD-810 – Environmental Test Methods and Engineering Guidelines
- MIL-STD-889 – Dissimilar Metals

- Uniform Federal Accessibility Standards (UFAS)
- Architectural Barriers Act (ABA)
- Americans with Disabilities Act of 1990 (ADA)

- NFPA 80 – Standard for Fire Doors
- NFPA 101 – Life Safety Code
- NFPA 252 – Fire Door Assembly Testing

- ANSI/UL 10B – Fire Tests of Door Assemblies
- ANSI/UL 10C – Positive Pressure Fire Tests of Door Assemblies



S&G 2890C Features

Features



Flexible Design

Multiple strike options available.
Non-handed to accommodate a variety of applications.

Modular Construction

All ten configurations are based on the same modular platform to provide a faster, standardized installation in facilities with multiple openings.

Highest Fire Rating

3-hour UL fire rating – the highest in the market for this segment.

Smooth Operation

Heavy-duty, surface mounted strike with integral roller for secure, smooth operation.

Pinch-Proof Strikes

Multiple strike options available for in-swing, out-swing and double-door applications.

Lasting Durability

Levers tested to 1M cycles and panic bar to 500K cycles for reliability and longevity.

Warranty

Industry-leading 5-year product warranty (*when used with S&G 2740B*)

Certifications:

- NFPA 101 Life Safety
- UL 305
- BHMA Grade 1
- UL Fire 10B and 10C

Alarm Integration Kit (Optional)

The optional Alarm Integration Kit allows you to monitor the complete status of your S&G 2890C lock by integrating into your existing monitoring system. With this integration, you may monitor any combination of six different lock positions including main bolt position, combination dial rotation, and cover tamper.



How to Order S&G 2890C



Base Part Number: 2890

GSA FF-L-2890C
approved Pedestrian
Door Lock

1

Select Model Type

L = Lever Handle
P = Panic Bar

2

Select Lock Type

2740 = S&G 2740B
0X10 = KabaX-10
OSDB = Deadbolt
0000 = None

3

Select Strike

S1 = No. 1 Strike
S2 = No. 2 Strike
S3 = No. 3 Strike
S9 = No. 9 Strike

4

Optional Add-Ons

AM = Alarm Module
KP = Standalone
Access Control
EXIT = Exit Only

Standard kits include: Integrated Access Control Key Lock



2890C Automatic Bolt Retraction

- For compliance with the automatic door section (404.3) of the Americans with Disabilities Act (ADA), an automatic bolt retraction mechanism compliant with ANSI/BHMA A156.10 can be integrated into the access control capabilities of the Types II, IV, VII and VIII lock extensions.
- The automatic bolt retraction mechanism shall be configured such that it is mechanically disabled when the FF-L-2740 lock or interior deadbolt on the secondary door lock extensions is in the secure position. The automatic bolt retraction option in all types of lock extensions (Types II, IV VII & VIII) shall meet the 500,000 cycle requirements of paragraph 3.7.1.

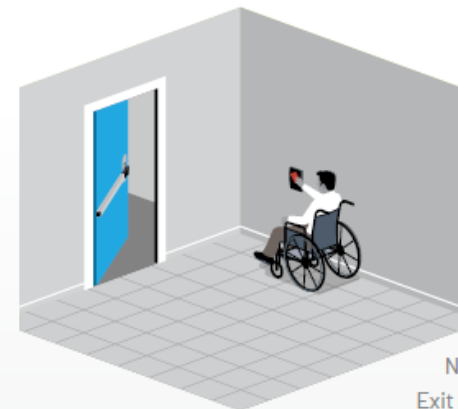


2890C Automatic Bolt Retraction

Handicap access for
high-security
applications



No-Touch
Access Request
via RFID Access Control



No-Touch
Exit Request
via RFID Access Control

S&G 2890C Automatic Bolt Retraction (ABR) solution combines life safety with handicapped-accessible secure entry when paired with an automatic door operator. The modular design connects with any approved RFID credential reader, making the exit device easy to integrate with existing security components. ABR engages when credentials are approved and RFID signal registers with the exit device – allowing hands-free handicapped access.

- Touchless Access Control when the device is connected to short-or long-range badge readers or other RFID-compatible components.
- No-touch, long-distance, automatic opening when credentials are confirmed at an RFID reader
- Interior panic bar for life safety single-motion egress
- Five-year limited warranty*





S&G 2890C Resources

Access available 2890C materials:

<https://sargentandgreenleaf.com/product/model-2890/>










S&G 2890C Brochure

2890C Type Solutions

Equipped with an interior panic bar or integrated lever, S&G 2890C is available in ten lock types and provides single motion egress at all times from within the SCIF.

One Design. Ten Lock Type Solutions.

 Exterior	 Interior	Type I Exit Lever <ul style="list-style-type: none">• Keypad access control• Key operated anti-spinoff• Compatible with S&G 2740B or X-10
 Exterior	 Interior	Type II Exit Lever • Electronic Access Control <ul style="list-style-type: none">• Lever Handle• Network Connected• Key operated anti-spinoff• Compatible with S&G 2740B or X-10
 Exterior	 Interior	Type III Exit Panic Bar <ul style="list-style-type: none">• Keypad Access Control• Key operated anti-spinoff• Compatible with S&G 2740B or X-10
 Exterior	 Interior	Type IV Exit Device • Electronic Access Control <ul style="list-style-type: none">• Panic Bar• Network Connected• Key operated anti-spinoff• Compatible with S&G 2740B or X-10
 Exterior	 Interior	Type V Life Safety Deadbolt with Exit Lever <ul style="list-style-type: none">• Our safe locks include a wide-range of - Lever Handle• Key operated anti-spinoff• Compatible with S&G 2740B or X-10

 Exterior	 Interior	Type VI Life Safety Deadbolt with Exit Lever & Keyless Thumbturn <ul style="list-style-type: none">• Our vault locks are built for high-security• Lever Handle• Keyless Thumbturn• Compatible with S&G 2740B or X-10
 Exterior	 Interior	Type VII Life Safety Deadbolt with Exit Lever <ul style="list-style-type: none">• Lever handle• Network connected• One-sided deadbolt• Without combination lock
 Exterior	 Interior	Type VIII Secondary Entrance Panic Bar • Electronic Access Control <ul style="list-style-type: none">• Panic bar• Network connected• One-sided deadbolt• Without combination lock
 Exterior	 Interior	Type IX Exit Only <ul style="list-style-type: none">• Lever handle• Exit only• Without combination lock
 Exterior	 Interior	Type X Exit Lever <ul style="list-style-type: none">• Panic Bar• Exit only• Without combination lock





S&G 2890C FAQs



Frequently Asked Questions

S&G 2890C

Q: What are the changes in FF-L-2890C?

A: Type I and Type II, formerly referring to as "mechanical access control", now require a standalone combination entry device. There are also new types - Types VII-K that are new configurations for secondary doors, which include emergency exit only device and an access control enabled device with a one-sided deadbolt. Types VII-K do not include a 2740B compliant combination lock.

Q: Is S&G 2890C included on the OPL (Qualified Products List)?

A: Yes, S&G 2890C is included on the OPL.

Q: What combination lock is compatible with the S&G 2890C?

A: For government applications, the S&G 2890C is compatible with the S&G 2740B and Kaba K-10. For commercial applications, 2890C may be used with standard footprint high security combination.

Q: Do all S&G 2890C models ship with the combination lock included?

A: No, S&G also offers exit only locking options that do not include a combination lock.

Q: Who are the stocking distributors for the S&G 2890C?

A: The S&G 2890C may be purchased through the following distributors - Anixter, Intermountain Security Supply, Lockmasters, MBA USA, Time-Master, and Southern Lock.

Q: How can I order a S&G 2890C Lock?

A: The S&G 2890C may be purchased through stocking distributors, Department of Defense E-Mail, GSA Advantage.

Q: How many types of S&G 2890C are available?

A: S&G 2890 models are available in all 10 types, as outlined by the current FF-L-2890 specification.

Q: What is the difference between the S&G 2890 types?

The following features determine the S&G 2890 type:

- Model - Lever, panic bar, lever exit only, panic bar exit only
- Combination lock - S&G 2740B, Kaba K-10, Deadbolt
- Strikes - Strike 1, Strike 2, Strike 3, Strike 9

Q: Who can install S&G 2890C?

A: An S&G 2890 certified locksmith can install the S&G 2890C. Certified locksmiths can be found on the S&G website.

Q: How long does it take to install the S&G 2890C?

A: The S&G 2890C installation will depend on skill level, but in general, the installation should take about 1 hour.

Q: How do I get trained on the S&G 2890C?

A: S&G offers a one-day 2740B/2890 Dual Certification Class. Our current training schedule is located on our website. We also offer on-site training at your facility if you meet minimum class size requirements. If you have already been trained on the S&G 2890B, you can participate in a 2890C virtual training and pass an online test in order to upgrade your certification.

Q: Where can I download a S&G 2890 installation template?

A: The S&G 2890 template is available on the S&G website. <https://sargentandgreenleaf.com/product/model-2890/>

Q: Does S&G 2890C come with a warranty?

A: Yes, S&G 2890C is backed by a 5-year product warranty (from the date of shipment) when ordered and installed with the S&G 2740B. S&G 2890C is backed by a 2-year warranty (from date of shipment) when ordered and installed without the S&G 2740B lock, and rather an alternate lock.

Q: Can S&G 2890C only be used on SCIF doors?

A: S&G 2890C may be used on any type of door, including a SCIF door. This lock may be used in government applications or other non-government environments like cash processing facilities, server rooms, museums, schools, hospitals, and other commercial spaces that protect valuable assets.

Q: Is S&G 2890C fire tested?

A: Yes, S&G 2890C has a 5-hour UL fire rating up to an 8" opening - the highest in the market in this segment (when used with the S&G 2740B, Type I).

Frequently Asked Questions

S&G 2890C

Q: Do I need to order a different part number depending on how my door is handed?

A: No, S&G 2890C is non-handed to accommodate a variety of applications, including left hand/right hand and in-swing/out-swing. However, you may need to order a different strike to accommodate your particular application.

Q: Can the electronic access control be fitted with a mechanical override?

A: Yes, in order to do this, you would need to purchase the rim cylinder separately.

Q: What happens if there is an electrical failure?

A: An electrical failure will not impact the security of the product and you will always be able to safely exit a room.

Q: Can S&G 2890C be installed on double doors?

A: Yes, S&G 2890C may be installed on a variety of double doors, including those with a mullion or fixed leaf. Some applications may require the purchase of additional parts in order to successfully install the lock on double doors.

Q: Is the S&G 2890C rated for exterior applications?

A: No, the S&G 2890C is rated for indoor use.

Q: Can an automatic door opener be added to a door with S&G 2890C?

A: Currently, there is no mechanism that would allow the door to open without physically touching the door itself. However, there are solutions to assist with door opening once it has been initiated. S&G has developed an automatic opening door solution that is currently pending approval and should be available in the coming months.

Q: What is the ideal thickness of a door for the S&G 2890C to be installed?

A: The S&G 2890C may be installed on a door that is 1 3/8" - 2" inches thick. If you have a door that is thicker than 2", additional parts may be purchased. The standard thick door kit fits doors 2 1/4" - 3 1/2".

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Product Review Q&A



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