

Overview and Features

Profile Series v.G1.5

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Overview

The Profile Series v.G1.5 are standalone access control products that offer a broad selection of technologies and programming features combined with ANSI/BHMA Grade 1 mechanical locks. Many variations of the product, from the G1-LU series, which offers keypad only, to the full-featured G1-TP Series, which includes keypad, proximity and RF technology, are available. The locks are programmed via infrared data transfer and/or keypad, and all units utilize a battery-powered microprocessor-based controller with non-volatile memory to preserve user codes.

Available in 8200 Series mortise lock, 10 Line cylindrical lock and 80 Series rim and mortise exit device configurations, these locking devices are UL Listed for use on fire doors*. All products with the keypad feature offer access codes which may vary from 1 to 6 digits and utilize a master code for keypad programming. Various locking modes allow the operation of the lock to be tailored to each opening and individual user, such as panic, adjustable momentary unlock and passage.

- **G1.5-LU** (keypad only) configuration of stand-alone access control products are ideal for dormitories, assisted living facilities, hospitals, retailers, apartments and office complexes. Programming is accomplished through the keypad for most basic functions or via SoloPlus application software.
- **G1.5-PK** (proximity/keypad) version of stand-alone access control products offers the highest level of security and flexibility. These products can be programmed via keypad or SoloPlus requiring both a code (1-6 digits) and proximity card/fob/tag presentation to gain entry. It can also be programmed for keypad or proximity presentation only.
- **G1.5-PA** (proximity only) configuration of access control provides a higher level of security. All programming must be handled through the SoloPlus application software. This configuration is ideal for high traffic applications where keypad usage is not desirable: universities, laboratories or hospitals. A "master" CommEnable proximity card or fob is required to initiate programming of the lock.
- **G1.5-TU** (keypad and RF technology) series of access control offer the convenience of the keypad along with the RF technology which allows for remote unlocking and locking of the unit. This configuration is ideal where security is a concern (offices and medical clinics).
- **G1.5-TP** (keypad, proximity and RF technology) series of access control offers all three technologies allowing the lock to be programmed to respond to any of the technologies as needed.
- **G1.5-TA** (proximity and RF technology) series offers the additional security of eliminating the keypad with the convenience of remote unlocking and locking through the RF technology.

* Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Standard Features

- 2000 users per lock
- 2000 event audit trail
- Powered by 6 AA batteries
 - Low battery indication – four chirps after code entry
 - Estimated battery life for non-RF models is 75,000 cycles
 - Estimated battery life for RF models is 4-1/2 mos.
- Supports Remote unlocking
- UL Listed for Fire Doors
- Adjustable unlock time from 1 - 99 seconds
- Locks with keypads support 1 - 6 digit codes
- Moisture resistant coating on electronics
- Entry of three wrong user codes in succession disables all codes for ten seconds (selectable)
- UL Listed to Canadian safety standards
- Forced and propped door option
- Weather seal gasket, conduit and shroud recommended for use on exterior doors (optional, order separately)
- Remote power and request to enter available – requires wire harness (52-3010) and hard wiring

Entry Code Features

- One master code – forced master code from factory default assigns emergency, supervisory and user codes and allows entry when deadbolt is thrown (mortise locks)
 - Multiple supervisory codes – allow temporary lockout of selected users, change unlock time duration, request infrared interrogation output and add user codes
 - Multiple emergency codes – allows entry when dead bolt is thrown (mortise locks). Unlocks after the low battery indication period has passed and user codes no longer operate lock
 - Temporary codes by number of uses (1-500), start-and-stop dates or total days after first use (24 hour specific)
 - Maintained (passage) code – unlocks for extended periods of time

Keypad Features

- LEDs on unit indicate status – green indicates unlocked; yellow indicates programming mode

Proximity Features

- Supports all HID 125 KHz bit formats by Keypad Presentation or when using proximity enrollment station ES-G1 with SoloPlus software
- Supports 26, 34, & SARGENT 1000 (35 bit) HID formats with SoftLink Plus™ version 4.0 or higher, and SoloPlus software programming

Clock/Time Features

- Real time clock with date & time
- Up to 8 time zones per lock
- Supports holidays (16 single & 16 blocked)
- Supports Daylight Savings Time

RF Technology Features

- UL and cUL Listed for fire doors
- Typical operating distance of 35 to 75 feet on inside of door; 10 to 25 feet on outside of door*
- Multiple RF Fobs may be programmed into a single lock
- LED indicator on inside escutcheon shows when RF lock is actuated
- Primary modes of RF Technology: Passage, Unlock/Relock and Panic

*Operating distance may vary depending on building construction

NOTES

- v.G1.5 controllers replace v.G1 controllers. Product is still ordered as G1- option. Controllers are labelled "G1.5"
- v.G1.5 controllers will work with SoftLink Plus software versions 3.0 and above, and SoloPlus software, as well as provide additional keypad programming features.

10 Line Cylindrical Locks

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The Profile Series v.G1.5 10 Line cylindrical lock is available with a wide selection of lever designs and hardware finishes. These motorized locks include cylinder override standard. The Profile Series v.G1.5 products offer access control solutions for meeting rooms, country club locker rooms and assisted living facilities.

Mechanical Features

- ANSI/BHMA A156.2 Grade 1 cylindrical lock
- For Windstorm Certifications, see page 18
- Motor-driven cylindrical lock
- Latch brass, 1/2" (13mm) throw; UL Listed 3/4" (19mm) throw (41- option) available
- 2-3/4" (70mm) backset standard. Consult factory for other available backsets
- For 1-3/4" (44mm) thick door standard. Consult factory for other thicknesses
- Handed (field-changeable)
- Heavy duty lever spring return
- Steel mounting studs
- 3 through-bolt position combinations
- Operates with 6 "AA" alkaline batteries (included)
- Not available with 10-UL-, 81-, 83-, F1-83-, 84- options

v.G1.5 Cylindrical Lockset



- Latch retracted by inside lever at all times
- Key outside retracts latch
- Outside lever rigid except when in "passage" mode or valid user code entered

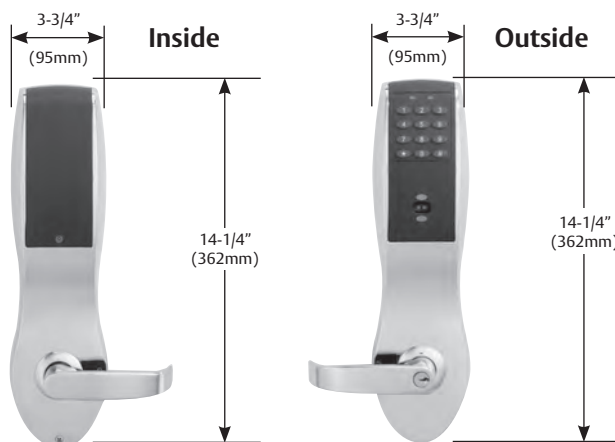
Cylindrical Lock Functions

If the lock needs to have:	Then select:			
	Series	Type	Function	Technology
Prox and keypad				
Cylinder override	G1	10	G77	PK or TP*
Prox only				
Cylinder override	G1	10	G77	PA or TA*
Keypad only				
Cylinder override	G1	10	G77	LU or TU*

*Supports RF technology

Escutcheons

- Zinc die cast
- Projection at bottom 11/16" (17mm) less lever
- Projection at top 1-5/8" (41mm)
- Tactile keypad
- Operating temperature -40°F (-40°C) to 135°F (57°C)
- LEDs indicate valid/invalid entries
- Keys/buttons with double shot mold construction prevents wear



Ordering Profile Cylindrical Locks

Options	Series	Type	Function	Technology	Levers	Finish	Hand
Select from page 14-16	Select from G1.5 Cylindrical Lock Function chart above			PK, PA, LU, TP, TA or TU	Select lever and finish from page 6		RHR, LHR, RH or LH
Example:	G1-10G77			PK	G	03	RH

Standard and Coastal Levers and Finishes









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Profile Series v.G1.5 products are available with lever designs identical to levers offered on mechanical hardware to introduce uniformity throughout a facility. Lever projection from door surface varies with lock type.

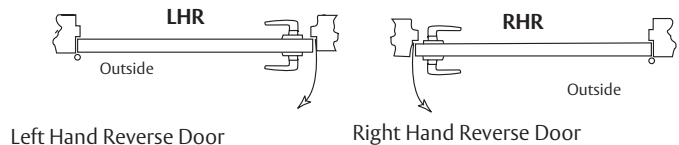
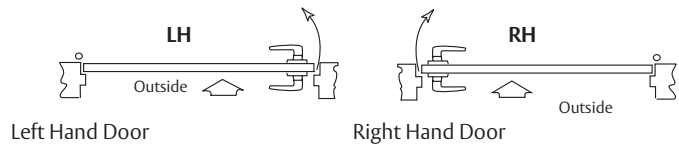
Note: Exit devices are only available with ET Trim.

Standard and Coastal Levers

Standard Levers					
Lever	Design	Handed	Mortise	Cyl.	Exit
A		Yes	X		X
B		–	X	X	X
E		–	X		X
F		–	X		X
J		–	X	X	X
L		–	X	X	X
P		–	X	X	X
W		–	X		X

Coastal Levers					
Lever	Design	Handed	Mortise	Cyl.	Exit
C		–	X		X
G		Yes	X	X	X
R		–	X		X
S		Yes	X		X
Y		Yes	X	X	X

Handing



Finishes

SARGENT offers many different finishes for Profile Series products. Please reference the chart below to determine if your product is available in a particular finish.

	Finishes	ANSI	Mortise	Cyl.	Exit
03	Bright brass	605	X	X	X
04	Satin brass	606	X	X	X
09	Bright bronze	611	X	X	X
10	Satin bronze, clear powder	612	X	X	X
10B	Oxidized satin bronze oil robbed	613	X	X	X
10BL	Oxidized satin bronze, clear power coat	614	X	X	X
14*	Bright nickel, clear coated	618	X	X	X
15*	Satin nickel, clear coated	619	X	X	X
20D	Dark statuary bronze, clear powder coat	624	X	X	X
26*	Bright chrome	625	X	X	X
26D*	Satin chrome	626	X	X	X
32	Bright stainless steel	629	X	–	X
32D	Satin stainless steel	630	X	–	X

*With Exit Devices: 14, 15, 26 & 26D Finishes are available on external trims only, the exit devices will be supplied in 32 or 32D accordingly. When 32 or 32D is specified, the trim will be supplied in 26 or 26D accordingly.

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Mechanical Options & Shipping Information

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To order options listed below, list the alpha or numerical code before the product model number

Mechanical Options:

Add Strength	3-	Stainless steel hubs for institutional specifications (mortise locks only)
Fire Rated	12-	UL Fire Label Exit hardware (exit devices only, not available with 16- & HK-)
Cylinder Dogging	16-	Cylinder lockdown (non fire rated exit devices only)
	LD-	Less hex key dogging (non-fire rated exit devices only)
Less Touch Pad	19-	Pushbar without Lexan touchpad (exit devices only)
Strike Options	23-	4-7/8" (124mm) ANSI flat lip strike (for 8900 mortise lock exit device & mortise locks only)
	28-	4-7/8" Strike #808. Lip length 1-1/4" (10 line only)
10 Line Backset Options	23-	3-3/4" Backset x 2-1/4" x 1-1/8" Front for (10 Line only)
	25-	5" Backset x 2-1/4" x 1-1/8" Front for (10 Line only)
Security Fasteners	36-	Six lobe security head screws
	37-	Spanner head screws
3/4" Latch Throw	41-	3/4" (19mm) throw latch x 2-3/4" (70mm) backset (10 line only)
Flush End cap	43-	Flush End Cap (Exit Devices only)
Tactile Warning Options	75-	Tactile Warning - Milled Inside Lever (Not available with Exit Devices, Studio & Coastal Levers and the A Lever)
	76-	Tactile Warning - Milled Outside Lever (Not available with Studio & Coastal Levers and the A Lever)
	77-	Tactile Warning - Milled Inside & Outside Lever (Not available with Exit Devices, Studio & Coastal Levers and the A Lever)
	85-	Tactile Warning - Abrasive Coating on Inside Lever (or Push Rail for Exits)
	86-	Tactile Warning - Abrasive Coating on Outside Lever
	87-	Tactile Warning - Abrasive Coating on Outside Lever
Finish Protection	CPC-	Clear Powder Coat (Available for 26, 26D, 32 & 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat (Not available with 10B Finish)
SARGuide	PL-	SARGuide™ PL – Photoluminescent Coated Push Rail – (Touchpad eliminated) (Not available 75-, 77 & TL-)
Electrical Options	91-	Power/Remote Unlocking wiring harness
	DM-	Forced/Propped door harness
Windstorm Options	HC-	Hurricane Code (rim exit devices only, see page 17 for details)
	WS-	Windstorm Rated (rim & mortise lock exit devices only, see page 17 for details)

Shipping Information

Lock	Shipping Weight	Pc. Count/Carton
G1-8276-PK x lever trim (with cylinder)	11.2 lbs (5.1kg)	1/carton
G1-8277-PK x lever trim (no cylinder)	10.7 lbs (4.9kg)	1/carton
G1-8278-PK x lever trim (with cylinder no deadbolt)	11.2 lbs (5.1kg)	1/carton
G1-8279-PK x lever trim (w/o cylinder no deadbolt)	10.7 lbs (4.9kg)	1/carton
G1-LU8877	21.0 lbs (9.5kg)	1/carton
G1-PA8977	23.0 lbs (10.4kg)	1/carton
G1-10G77-PKL	10.7 lbs (4.9kg)	1/carton

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