

Designation: F967 – 03

Standard Practice for Security Engineering Symbols¹

This standard is issued under the fixed designation F967; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This practice utilizes symbols to depict security systems and equipment requirements for architectural or engineering drawings that are produced either manually or by computer aided design (CAD). The symbols depicted include some symbols that have already been somewhat universally accepted or that have already been adopted by a standards-writing body, such as by the National Fire Protection Association.

1.2 It is not proposed that all of the symbols need to be utilized since the level of detail required for drawings is likely to vary. Generic symbols of a class of security device may be sufficient in some instances. Moreover, the need to provide a measure of security in the actual drawing may also suggest a need to utilize a generic symbol rather than to depict the exact device being installed.

1.3 In the event that a greater level of detail is required, it is possible to combine many of the symbols to create new symbols that achieve the desired level. While some combinations of symbols are shown, it would be impractical to attempt to depict every conceivable combination of symbols. It is also the intent of this practice that the symbols be capable of being continuously expanded and modified as the industry state of the art changes or as emphasis varies. For example, little attention is given to document security in the security symbols since such requirements are not generally fully met during construction periods but are rather developed and provided for subsequently. Since much of this equipment is not installed but is "placed," such as furniture, there is only one symbol proposed (for example, for document shredders).

1.4 This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

2. Keywords

2.1 computer aided design; security engineering; symbols 1. ANNOTATION



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¹ This practice is under the jurisdiction of ASTM Committee F12 on Security Systems and Equipment and is the direct responsibility of Subcommittee F12.10 on Systems Products and Services.

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	Split Lens CCTV with ID Card Receptacle		3. ANNUNCIATION: CONSOLE/PANEL Strip (Tallyroll) Printer
	Apartment Type CCTV with House Phone and Touch Pad (insert" K" "		Printer
	", as appropriate for key switch)	[1200]	Time Clock with Card Reader
-/	Biometric Access Control Device (reference door schedule or specifications for type)		Control Processing Unit
	Touch Pad Lock or Device, Mechanical or Electronic (reference door schedule for type)		CPT (astheda ray tuba/diaplay)
\bigcirc	Turnstile (reference door schedule for type and function)	CRT	
 	Post and Rail (rope)		Static Map Display (for dynamic map display, use CRT symbol)
	Generic Screening Device		Keyboard
X	X: M = Metal Detector E = Explosive Detector X = X-ray T = Tag Detector (EAS)	\square	Jeweled Signal Light
	Sally Port		Panel Light Indicator (R = Red, A = Amber, W = White, V = Violet, G = Green, Y = Yellow, B = Blue, O = Orange)
2L V	Indicating Interlocking Doors	Ð	
	Indicating Space is a "Man-Trap" Teh Standa		Multiplex Panel
MT		\otimes	Panel Sound Indicator
М	Card Access Reader	\otimes	Panel Sound and Light Indicator
T	P = Proximity M = Mag Stripe F = Elevator Floor Call H = Elevator Hall Call	evie	Reset
	T = Token ASTM F967-03 S = Smart Card ASTM F967-03		Push-Button, Momentary/Make (circuit closing)
https://star	Biometrics Access Control Device	6-41e4-9	be8-bfb11bf5b7b3/astm-f967-03
	H = Hand Geometry F = Finger Print V = Voice B = Eve Retina	TD	Time Delay Module
	I = Eye Iris		Control Device Module, Door Release
	Keypad Device	EOL	End-of-Line Device Module
		юкΩ	Resistance (Ohms) (indicate value; that is, 10 000 Ω)
	Card Reader with Keypad	к	Thousands
		ବ୍	Dry Contacts, Set
	Card Reader with Time and Attendance	••	Contacts with Current

F967 – 03

	Power Switch		Ditch and Berm Barrier
M	Field Panel T: C = Card Reader A = Alarm	\bigcirc	Roll-Up Gate
			Sliding Gate
M	Control Panel T: B = Burglar		Swing Gate
	P = Primeter P = Perimeter D = Door		Traffic Arm
	Central Processing Unit	0	Traffic Lights (use "M" for miniature)
			Generic Vehicle Sensor (reference specification or schedule for type)
	Keyboard	//////////////////////////////////////	Tire Treddle
	Printer	↓ ↓ • −	Security Grill with Emergency Release
		111	Security Grill
1000 H	Power Supply T: L = Lock C = Camera		Generic Security Screen
	<i>P</i> = Panel <i>I</i> = Intercom <i>I</i> = ANNUNCIATION: DEVICES		Repair/Secure Window Operator (use "R" for repair," S" for security)
\rightarrow	Annunciation Device, Generic	CH	Turnstile
	Buzzer Document P	KY	
\bigcirc	Generic Bell <u>ASTM F967-(</u>		Revolving Door
https://star	idards.iteh.ai/catalog/standards/sist/94bfa527-bc Generic Chime		
H	Generic Security Horn (differentiate from fire horn; use also for local alarm)		Traffic Arm
M	Audio Device T: L = Lock		Vehicle Loop Detector
ΨŢ	/ = Intercom		Security Window Screen
ZONU	5. BARRIERS AND VEHICLE CONTROLS Generic Fence (reference type in specification or schedule)		T: S = Shade B = Blind (see Section 10 for alarm screen)
	X: (Fence Type) Y: (Sensor Type, see below)	1	6. COMMUNICATIONS
	Generic Masonry (reference type in specification or schedule)	G	Telephone Handset
<u></u>	X: $C = Chain Link; W = Welded Mesh;$ B = Barbed Top; R = Razor Ribbon Y: $E = Electrostatic; T = Taut Wire;$	MM	Intercom, Master, Hands-Free (use "S" for slave or sub)
utumanan	$v = v_{1Dration}$ Ditch Barrier	KJ	ווונפוסטווו, ד שפווינטי ומוא

🕼 F967 – 03

	Generic Speaker (reference specification or schedule for type)	ı - -	Battery
	Nurse Station, Master, Wall Mount (use "D" for desk mount)		Stand-By Battery
+0	Nurse Call System Device, Generic	$\dashv \leftarrow$	Capacitor
+	Paging System Device, Generic	\$).	Circuit Breaker
\rightarrow	Private Telephone System Device, Generic	+	Ground
+-	Public Telephone System Device, Generic		
a-[]	Two-Way Radio Base Station	Ŷ	Circuit Return, Common
	Flush Mount Panel Board/Cabinet	\rightarrow	Circuit Return, Frame
↓ <u> </u>	Surface Mount Panel Board/Cabinet	$\frac{1}{T}$	Relay, Normally Open
M	Intercom T: M = Master S = Substation	#	Relay, Normally Closed
U T			Relay
M	Two-Way Radio Microphone		Transformer
		evie	Transformer (on floor plan)
M	Cellular Transmitter	$\langle \rangle$	Rectifier
stin		6-41e4-9t	Diode fb11bf5b7b3/astm-f967-0.
M	Telephone Dialer <i>T</i> : <i>D</i> = Digital Communicator <i>V</i> = Voice Dialer	-4	Visual Signaling Device
M	Fiber Optic Module T: Tx = Transmitter		Fuse
	R = Receiver T = Transceiver		Motor
	7. ELECTRICAL Resistor	\sim	Generator
	End-of-Line Device	(J	Junction Box, in Ceiling
		-(J)	Junction Box, Wall
\leftarrow	Amplifier	=	Electrical Outlet, Wall, Duplex
Ψ	Antenna	€	Triplex Receptacle
-1	Antenna, Loop	<u> </u>	Intersection, No Connection

€ F967 – 03

	Intersection, Connection		Form A, SPST, N.O.
	Conduit Run, Exposed, Turn Down (rigid steel—1 in.)	$\sum_{i=1}^{n}$	Form B, SPST, N.C.
_×× ●	Conduit Run, Exposed, Armored	PJ	Form C, SPDT
<u>-</u> E M T0	Conduit Run, Concealed, Turn Up (EMT)	^	SPST (Single-Pole, Single-Throw)
PVC 0	Conduit Run, Exposed, Turn Up (PVC)	A	SPDT (Single-Pole, Double-Throw)
B	Booster		DPST (Double-Pole, Single-Throw)
	Shielded Cable		DPDT (Double-Pole, Double-Throw)
	Coaxial Cable		
\leftarrow	Conductor, Twisted Pair	-•	 LIGHTING Incandescent Light Fixture, Flush, Ceiling Mount
	Conductor, Security System (4 conductors, No. 18 AWG)	∗ ∳-	Incandescent Light Fixture, Flush, Wall Mount
<u> </u>	Fiber Optic Cable	-\$-	Incandescent Light Fixture, Surface, Ceiling Mount
RF	Local Radio Signal Link iTeh Stand		Incandescent Light Fixture, Surface, Wall Mount
	Long Range Radio Signal Link	dstite	Fluorescent Fixture, Ceiling Mount
(OR) EP	Power Panel Document P	reeie	Dedicated Security Lighting, Low Pressure So- dium (use other designators for other types, that is, MV = mercury vapor)
> <i>o</i>	Home Run. 2 Conductors, 18 AWG (number of A STM F067.0	\rightarrow	Minimum Foot-Candles or Lamberts this Area
https://star	arrows indicates number of circuits) ndards.iteh.ai/catalog/standards/sist/94bfa527-bc Feeder	91 86- <u>(4</u> e4-91	Spotlight/Floodlight 7b3/astm-1967-03
M	Manhole	-Ò-	Outdoor Strobe Light
° ° °	Rotary Switch		Illuminate this Area
-	Toggle Switch, SPST		Infrared Illuminator
<u> </u>	Toggle Switch, SPDT	Ϋ́	Street Light, Pole-Mounted
OR O A	Nonlocking, Momentary Circuit Closing (make)	ക്ര	9. MISCELLANEOUS Security Container; Safe; File Cabinet
on or or	Nonlocking, Momentary Circuit Opening (break)		Document Destroyer
ORO A	Transfer		·
or ora	Locking, Circuit Closing (make)		Safe, Tack-Welded to Structural Member
ORO-	Locking, Circuit Opening (break)		

€ F967 – 03

