



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.*

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.

Current edition approved Sept. 10, 2003. Published October 2003. Originally approved in 1986. Last previous edition approved in 1995 as F967 – 95. DOI: 10.1520/F0967-03.

2. Keywords

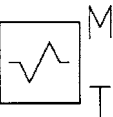
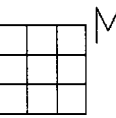
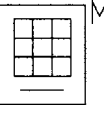
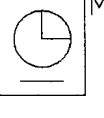
2.1 computer aided design; security engineering; symbols

1. ANNOTATION

	Existing Equipment
	Point and Zone Indicator
	Connection Between Devices (for example, button and lock)
	Detail and Reference Drawing
	Door Number (if more than one door in room, use sub-letter)
	Room or Space Number
	Device Number (reference device schedule)
	Device Reference A = Drawing Sheet B = Detail C = Device/Zone Number

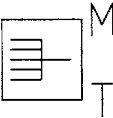
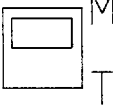
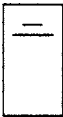
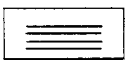
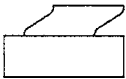
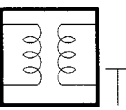
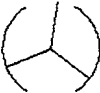
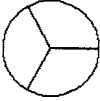
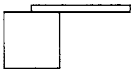
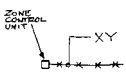
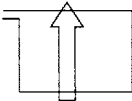
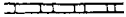
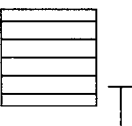
2. ACCESS CONTROL

	Generic Card Reader (reference door schedule or specifications for type): P = pedestal mount
	Card Reader with Touch Pad
	Token-Type Access Control
	CCTV and Card Reader
	CCTV and Intercom

	Split Lens CCTV with ID Card Receptacle
	Apartment Type CCTV with House Phone and Touch Pad (insert "K" "key", as appropriate for key switch)
	Biometric Access Control Device (reference door schedule or specifications for type)
	Touch Pad Lock or Device, Mechanical or Electronic (reference door schedule for type)
	Turnstile (reference door schedule for type and function)
	Post and Rail (rope)
	Generic Screening Device X: M = Metal Detector E = Explosive Detector X = X-ray T = Tag Detector (EAS)
	Sally Port
	Indicating Interlocking Doors
	Indicating Space is a "Man-Trap"
	Card Access Reader B = Barcode W = Wiegand P = Proximity M = Mag Stripe F = Elevator Floor Call H = Elevator Hall Call T = Token S = Smart Card
	Biometrics Access Control Device H = Hand Geometry F = Finger Print V = Voice R = Eye Retina I = Eye Iris
	Keypad Device
	Card Reader with Keypad
	Card Reader with Time and Attendance

3. ANNUNCIATION: CONSOLE/PANEL Strip (Tallyroll) Printer

	Strip (Tallyroll) Printer
	Printer
	Time Clock with Card Reader
	Central Processing Unit
	CRT (cathode ray tube/display)
	Static Map Display (for dynamic map display, use CRT symbol)
	Keyboard
	Jeweled Signal Light
	Panel Light Indicator (R = Red, A = Amber, W = White, V = Violet, G = Green, Y = Yellow, B = Blue, O = Orange)
	Multiplex Panel
	Panel Sound Indicator
	Panel Sound and Light Indicator
	Reset
	Push-Button, Momentary/Make (circuit closing)
	Time Delay Module
	Control Device Module, Door Release
	End-of-Line Device Module
	Resistance (Ohms) (indicate value; that is, 10 000 Ω)
	Thousands
	Dry Contacts, Set
	Contacts with Current

	Power Switch		Ditch and Berm Barrier
	Field Panel T: C = Card Reader A = Alarm		Roll-Up Gate
	Control Panel T: B = Burglar F = Fire P = Perimeter D = Door		Sliding Gate
	Central Processing Unit		Swing Gate
	Keyboard		Traffic Arm
	Printer		Traffic Lights (use "M" for miniature)
	Power Supply T: L = Lock C = Camera P = Panel I = Intercom		Generic Vehicle Sensor (reference specification or schedule for type)
4. ANNUNCIATION: DEVICES			Tire Treadle
	Annunciation Device, Generic		Security Grill with Emergency Release
	Buzzer		Security Grill
	Generic Bell		Generic Security Screen
	Generic Chime		Repair/Secure Window Operator (use "R" for repair, "S" for security)
	Generic Security Horn (differentiate from fire horn; use also for local alarm)		Turnstile
	Audio Device T: L = Lock C = Camera I = Intercom		Revolving Door
5. BARRIERS AND VEHICLE CONTROLS			Traffic Arm
	Generic Fence (reference type in specification or schedule) X: (Fence Type) Y: (Sensor Type, see below)		Vehicle Loop Detector
	Generic Masonry (reference type in specification or schedule) X: C = Chain Link; W = Welded Mesh; B = Barbed Top; R = Razor Ribbon Y: E = Electrostatic; T = Taut Wire; V = Vibration		Security Window Screen T: S = Shade B = Blind (see Section 10 for alarm screen)
	Ditch Barrier	6. COMMUNICATIONS	
			Telephone Handset
			Intercom, Master, Hands-Free (use "S" for slave or sub)
			Intercom, Push-to-Talk