

# 中华人民共和国公共安全行业标准

## 安全防范系统通用图形符号

### 1、主题内容与适用范围

本标准规定了安全防范系统技术图形符号。

本标准适用于科研、设计、教学、出版、建筑、施工等部门绘制安全防范系统图。

### 2、引用标准

GB1.5 标准化工作导则 符号、代号标准编写规定

GB4728.3 电气图用图形符号 导线和连接器件

GB4728.6 电气图用图形符号 电能的发生和转换

GB4728.8 电气图用图形符号 测量仪表、灯和信号器件

GB4728.10 电气图用图形符号 电信：传输





GB4728.11 电气图用图形符号 电力、照明和电信布置


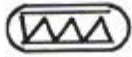


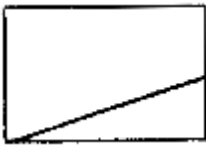
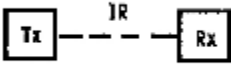
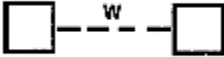
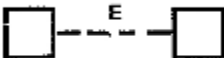
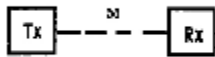
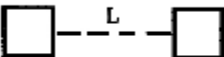
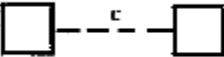
GB7093.1~7093.4 图形符号表示规则

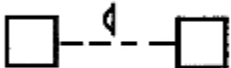
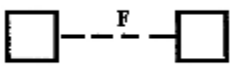
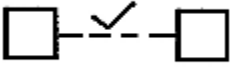
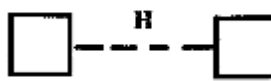
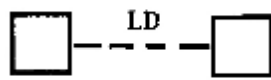
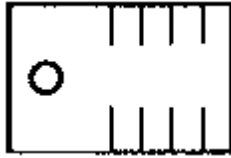


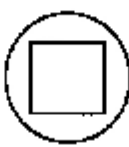
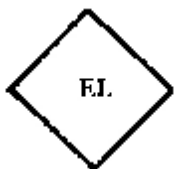
GB10408.1~10408.5 入侵探测器

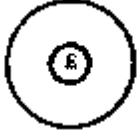


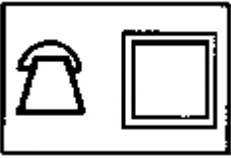
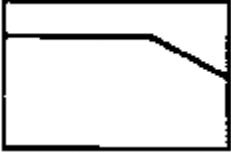





IEC574-8 声频-视频录像和电视设备及其系统 第八部分符号和标志

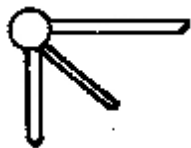
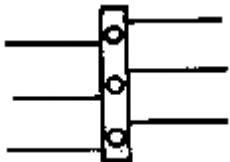
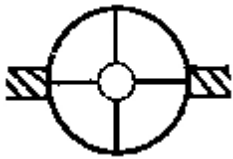






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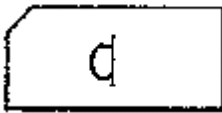

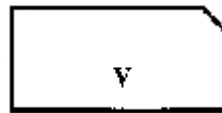


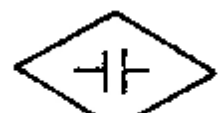
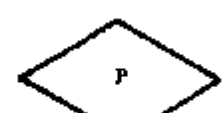
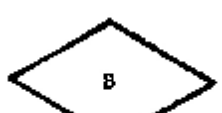
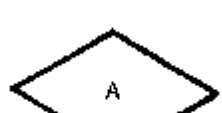
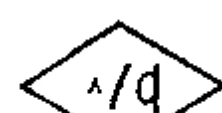
编号	图形符号	名称	英文	说明
3.1		周界防护装置及防区等级符号		
3.1.1		栅栏	fence	单位地域界标
3.1.2		监视区		区内有监控，人员出入受控制
3.1.3				全部在严密监控防护之下，人员出入受限制
3.1.4			forbidden zone	位于保护区内，禁区人员出入受严格限制

3.1.5		保安巡逻打卡器		
3.1.6		警戒电缆传感器	guardwire cable-sensor	
3.1.7		警戒感应处理器	guardwire sensor processor	
3.1.8		周界报警控制器	console	
3.1.9		界面接口盒	interface box	
3.1.10		主动红外入侵探测器	active infrared intrusion detector	发射、接收分别为 Tx、Rx
3.1.11		张力导线探测器	tensioned wire detector	
3.1.12		静电场或电磁场探测器	electrostatic or electromagnetic fence detector	
3.1.13		遮挡式微波探测器		
3.1.14		埋入线电场扰动探测器	buried line field disturbance detector	
3.1.15		弯曲或震动电缆探测器	flex or shock sensitive cable detector	


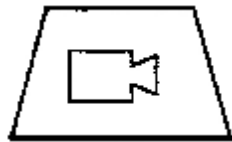


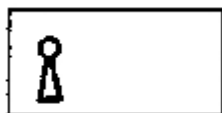
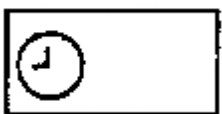


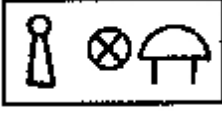
3.1.16		微音器电缆探测器	microphonic cable detector	
3.1.17		光缆探测器	fibre optic cable detector	
3.1.18		压力差探测器	pressure differential detector	
3.1.19		高压脉冲探测器	high-voltage pulse detector	
3.1.20		激光探测器		
3.2		出入口控制器材		
3.2.1		楼宇对讲电控防盗门主机	Mains control module for flat intercom electrical control door	
3.2.2		对讲电话分机	interphone handset	
3.2.3		锁匙电开关	key controlled switches	
3.2.4		密码开关	code switches	
3.2.5		电控锁	electro-mechanical lock	

3.2.6		电锁按键	button for electro-mechanic lock	
3.2.7		声控锁	acoustic control lock	
3.2.8		出入口数据处理设备		
3.2.9		可视对讲机	video entry security intercom	
3.2.10		读卡器	card reader	
3.2.11		键盘读卡器		
3.2.12		指纹识别器	fingerprint verifier	
3.2.13		掌纹识别器	palomorint verifier	
3.2.14		人像识别器		
3.2.15		眼纹识别器		






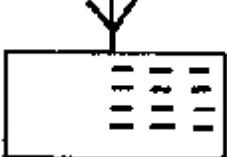

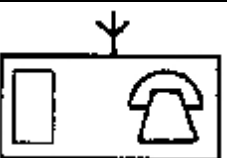
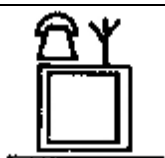
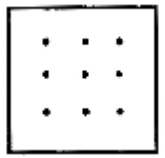
3.2.16		卡控叉形转栏		
3.2.17		卡控旋转栅门		
3.2.18		卡控旋转门		
3.3		报警开关		
3.3.1		紧急脚挑开关	deliberately-operated device(foot)	
3.3.2		钞票夹开关	money clip(spring or gravity clip)	
3.3.3		紧急按钮开关	deliberately-operated device(manual)	
3.3.4		压力垫开关	pressure pad	
3.3.5		门磁开关	magnetically-operated protective switch	
3.4		视、听器材		







3.4.1		声控装置	audio surveillance device (microphone)	
3.4.2		报警自动照相机	security camera, still-frame	
3.4.3		视频印像机		
3.5		振动、接近式探测器		
3.5.1		声波探测器	acoustic detector (airborne vibration)	
3.5.2		分布电容探测器	capacitive proximity detector	
3.5.3		压敏探测器	pressure-sensitive detector	
3.5.4		玻璃破碎探测器	glass-break detector (surface contact)	
3.5.5		振动探测器	vibration detector (structural)	
3.5.6		振动声波复合探测器	structural and airborne vibration detector	

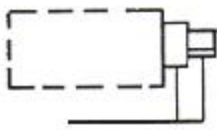
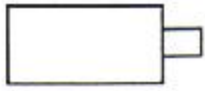
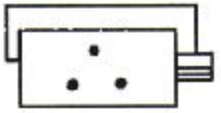
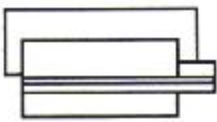
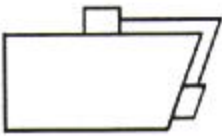

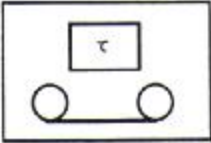
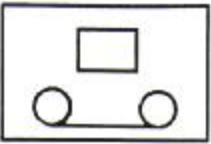
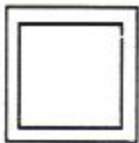
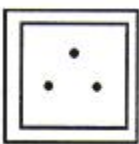
3.6		空间移动探测器		
3.6.1		被动红外入侵探测器	passive infraed intrusion detector	
3.6.2		微波入侵探测器	microwave intrusion detector	
3.6.3		超声波入侵探测器	ultrasonic intrusion detector	
3.6.4		被动红外/超声波双技术探测器	IR/U dual -tech motion detector	
3.6.5		被动红外/微波双技术探测器	IR/U dual -technology detector	
3.6.6		三复合探测器		X,Y,Z 也可能是相同的, 如: X=Y=Z=IR
3.7		声、光报警器		具有内部电源
3.7.1		声、光报警箱	alarm box	
3.7.2		报警灯箱	beacon	

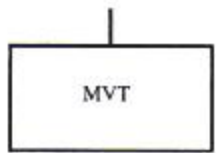
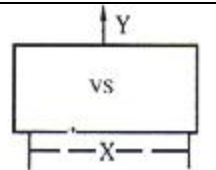
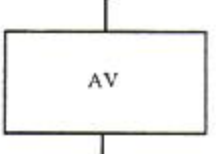
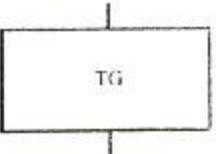
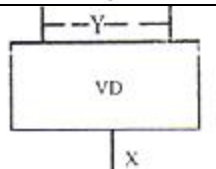

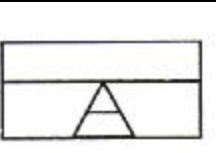
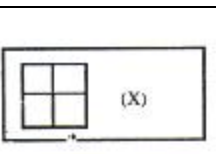
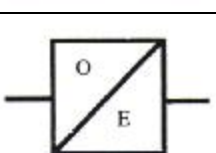
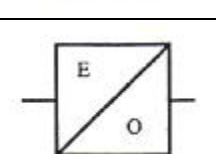
3.7.3		警铃箱	bell	
3.7.4		警号箱	siren	
3.8		控制和联网器材		
3.8.1		密码操作报警控制箱	keypad operated control equipment	
3.8.2		开关操作控制箱	key operated control equipment	
3.8.3		时钟或程序操作控制箱	timer or programmer operated control equipment	
3.8.4		灯光示警控制器	visible indication	
3.8.5		声响告警控制箱	audible indication equipment	
3.8.6		开关操作声、光报警控制箱	key operated, visible & audible indication equipment	




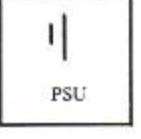

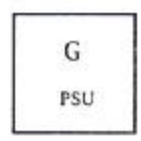
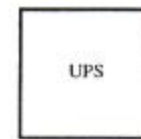






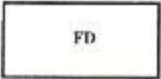

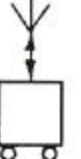
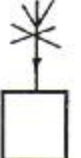

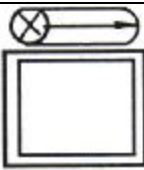
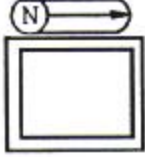


3.8.7		打印输出的控制箱	print-out facility equipment	
3.8.8		电话报警联网适配器		
3.8.9		保安电话	alarm subsidiary interphone	
3.8.10		密码操作电话自动报警传输控制箱	key pad control equipment with phone line transeiver	
3.8.11		电话联网, 电脑处理报警接收机	phone line alarm receiver with computer	
3.8.12		无线报警发射装置	radio alarm transmitter	
3.8.13		无线联网电脑处理报警接收机	radio alarm receiver with computer	
3.8.14		有线和无线报警发送装置	phone and radio alarm transmitter	
3.8.15		有线和无线网电脑处理接收机	phone and radio alarm receiver with computer	
3.8.16		模拟显示板	emulation display panel	



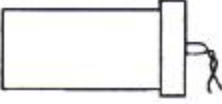
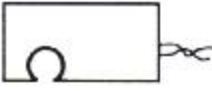



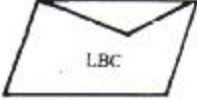



3.8.17		安防系统控制台	control table for security system	
3.9		报警传输设备		
3.9.1		报警中继数据处理机	processor	
3.9.2		传输发送器	transmitter	
3.9.3		传输接收器	receiver	
3.9.4		传输发送、接收器	transceiver	
3.10		电视监控器材		
3.10.1		标准镜头器	standard lens	
3.10.2		广角镜头	pantoscope lens	
3.10.3		自动光圈镜头	auto iris lens	
3.10.4		自动光圈电动聚焦镜头	auto iris lens,motorized focus	

3.10.5		三可变镜头	motorized zoom lens motorized iris	
3.10.6		黑白摄像机	B/w camera	
3.10.7		彩色摄像机	color camera	
3.10.8		微光摄像机器	star light level camera	
3.10.9		室外防护罩器	outdoor housing	
3.10.10		室内防护罩	indoor housing	
3.10.11		时滞录像机	time lapse video tape recorder	
3.10.12		录像机	video tape recorder	普通录像机， 彩色录像机通用符号
3.10.13		监视器（黑白）	B/w display monitor	
3.10.14		彩色监视器	color monitor	

3.10.1 5		视频报警器	video motion detector	
3.10.1 6		视频顺序切换器	sequential video switcher	X 代表几位输入 Y 代表几位输出
3.10.1 7		视频补偿器	video compensator	
3.10.1 8		时间信号发生器		
3.10.1 9		视频分配器		X 代表输入 Y 代表几位输出
3.10.2 0		云台		
3.10.2 1		云台、镜头控制器		
3.10.2 2		图像分割器		X 代表画面数
3.10.2 3		光、电信号转换器		GB4728.10
3.10.2 4		电、光信号转换器		
3.11		电源器材	power supply unit	与其他设备构成整体时，则不必单独另画

3.11.1		直流供电器	combination of rechargeable battery and transformed charger	具有再充电电池和变压器充电器组合设备
3.11.2		交流供电器	main supply power source	
3.11.3		一次性电池	battery supply power source	
3.11.4		可充电的电池	battery or standby battery rechargeable	
3.11.5		变压器或充电器	transformer or charger unit	
3.11.6		备用发电机	standby generator	
3.11.7		不间断电源	uninterrupted power supply	
3.12		汽车防盗报警器		
3.12.1		汽车防盗报警主机		
3.12.2		状态指示器		
3.12.3		寻呼接收机		

3.12.4		遥控器		
3.12.5		点火切断器		
3.12.6		针状开关		
3.12.7		汽车报警无线电台		GB4728.10
3.12.8		测向无线电接收电台		GB4728.10
3.12.9		无线电地标发射电台		GB4728.10
3.13		防爆和安全检查产品		
3.13.1		X 射线安全检查设备	X-ray security inspection equipment	
3.13.2		中子射线安全设备	neutron ray security inspection equipment	
3.13.3		通过式金属探测器		
3.13.4		手持式金属探测器		

3.13.5		排爆机器人		
3.13.6		防爆车	explosive proof car	
3.13.7		爆炸物销毁器		
3.13.8		导线切割器	lead cutter	
3.13.9		防爆箱	explosive proof box	
3.13.1 0		防爆毯	explosive proof blanket	
3.13.1 1		防爆服	explosive proof uniform	
3.13.1 2		信件炸弹检测仪	letter check instrument for bomb	
3.13.1 3		防弹背心		
3.13.1 4		防刺服		
3.13.1 5		防弹玻璃		

附录 A  
系统管线图的图形符号  
(补充件)  
表 A1 电线图表符号


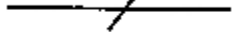



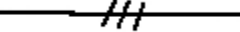

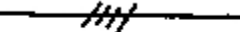

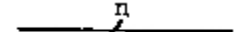



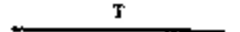


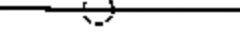
直流配电线		单根导线	
控制及信号线		2 根导线	
交流配电线		3 根导线	
同轴电缆		4 根导线	
线路交叉连接		n 根导线	
交叉而不连接		视频线	
光导纤维		电报和数据传输线	
声道		电话线	
		屏蔽导线	

表 A2 配线的文字符号

明配	M	暗配线	A
瓷瓶配线	CP	木槽板或铝槽板配线	CB
水煤气管配线	G	塑料线槽配线	XC
电线管(薄管)配线	DG	塑料管配线	VG
铁皮蛇管配线	SPG	用钢索配线	B
用卡钉配线	QD	用瓷夹或瓷卡配线	GJ

表 A3 线管配线部位的符号

沿钢索配线	S	沿梁架下弦配线	L
沿柱配线	Z	沿墙配线	Q
沿天棚配线	P	沿竖井配线	SQ
在能进入的吊顶内配线	PN	沿地板配线	D

**附加说明:**

本标准由中华人民共和国公安部提出。

本标准由全国安全防范报警系统标准化技术委员会归口。

本标准主要起草人任正兴。