

Vista-10SE

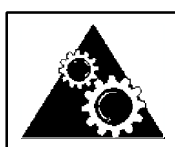
System Design Sheet



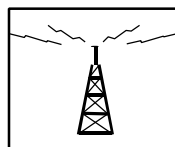
INTRUSION
DETECTION



HOLD
UP



CRITICAL
EQUIP. SUPV.



LONG RANGE
RADIO

SECTION 1:

Basic Vista-10SE -Features QED programming for quick enrollment of devices

(Eight Hardwired Zones, Wireless)

Select one of the following:	
Vista-10SE Attack Pak (includes 6128, 747, 998 and 467)	
Vista-10SE Kit 1 (includes 6139)	
Vista-10SE Kit 2 (includes 6128)	
Vista-10SE Kit 3 (includes 6128, 5881L, 5890, (4)5816 and (2)5808)	
Vista-10SE Kit 4 (includes 6128, 5881L, (2)5816, 5890, 747,467)	
Vista-10SE Control/Communicator	(100mA)*
Select the following for UL Commercial Burglary Installations	
Commercial enclosure for UL installations	
If the system is to be monitored by a Central Station (CS) select the following:	
Phone block	
Select at least one, but no more than four, of the following:	
Fixed English Ash White Keypad	(15mA)* (30mA)**
Fixed English Ash White Keypad	(40mA)* (85mA)**
16 Character Ash White alpha keypad	(40mA)* (100mA)**
32 Character Ash White alpha keypad-customized English display	(40mA)* (100mA)**
Select at least one of the following:	
Yuasa 12 Volt DC, 7 AmpHr Battery	
Yuasa 12 Volt DC, 12 AmpHr Battery	
If required, select the following:	
Remote key switch for arming/disarming panel	
For interactive remote phone control select one of the following:	
Vista interactive phone module, supports arming/disarming, system status	(160mA)*
If required, select from the following for control functions:	
Addressable relay module (four form C relays) (one per system)	(15mA)* (180mA)**
Transformer/Interface for X-10***	

Part No.	Qty.	Hrs.	Each	Sub-Total	Hrs.
V10ATPK-KT					
V10BEST1-KT					
V10BEST2-KT					
V10BEST3-KT					
V10BEST4-KT					
VISTA-10SE					
VISTA-ULKT					
MO-RJ31X					
6128					
6137					
6138					
6139					
NP7-12					
NP12A12V					
4146					
4285					
4204					
4300					

Important Note: The Vista-10SE has six base hardwired zones, the remaining 16 zones/points can be configured with QED compatible wireless devices. The Vista-10SE provides up to 500mA which can be used to power remote consoles and other devices such as motion detectors or four-wire smoke detectors. If power requirements exceed control's capabilities, add power supplies as required, (see note under "Power Supplies").

* Represents standby current draw ** Represents alarm current draw *** Must be used in place of regular system transformer when using X-10 devices.

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SECTION 2:

Wireless Accessories – For use with QED control panels only.

<i>If wireless devices will be used select at least one and no more than two of the following:</i>	
Wireless receiver (supports up to 16 wireless devices)	(50mA)
Wireless receiver (supports up to 16 wireless devices)	(50mA)
Wireless receiver (supports up to 8 wireless devices)	(50mA)
<i>Select as required: (above receiver required)</i>	
Residential wireless smoke detector	
Residential wireless smoke detector	
Wireless smoke detector UL rated for commercial fire	
Wireless heat detector	
Wireless PIR detector 40' x 50' coverage	
Wireless glassbreak detector dual technology (audio/shock)	
Wireless micro-miniature transmitter	
Wireless two zone transmitter	
Wireless three zone transmitter	
Wireless recessed contact	
Wireless shock sensor	
Wireless low temperature sensor (45 degrees F)	
Wireless single button operation panic transmitter with belt clip	
Wireless dual button operation panic transmitter with belt clip	
Wireless four button transmitter key	
Wireless four button bi-directional transmitter key	
Wireless two way portable keypad	
Wireless transmitter module for use with 5827BD (connects to control)	(20mA)

Part No.	Qty.	Hrs.	Each	Sub-Total Hrs.
5881H				
5881M				
5881L				
5806				
5807				
5808				
5809				
5890				
5849				
5814				
5816				
5817				
5818				
5819				
5816Temp				
5802MN				
5802MN2				
5804				
5804BD				
5827BD				
5800TM				

SECTION 3:

Glassbreak Sensors (require remote power)

<i>Select as required:</i>	
Surface mount acoustic detector	(30mA)
Surface mount advanced acoustic detector	(24mA)
Surface mount dual technology (shock/sound) detector	(30mA)
Surface mount shock sensor	(1mA)

Part No.	Qty.	Hrs.	Each	Sub-Total Hrs.
2520				
ASC25				
2500				
ASC-SS1				

SECTION 4:

Door Contacts

<i>Select as required:</i>	
Industrial surface mount 4.125" x .62" SPST (BR-brown, GY-gray)	
Industrial surface mount 4.125" x .62" SPST wide gap (1.75") (BR-brown, GY-gray)	
Industrial surface mount 3.5" x .5" SPST (WH-white, BR-brown, GY-gray) with 6' cable	
Industrial surface mount 3.5" x .5" SPDT (gray only) with 6' cable	
Moisture resistant 3.5" x 1.2" SPST aluminum housing with 3' armored cable	
Moisture resistant 3.5" x 1.2" SPDT aluminum housing with 3' armored cable	
Overhead door contact SPST	
Overhead door contact SPDT	
Mini-surface mount with 5' zip cord, 1/2" gap	
Mini-surface mount with 5' zip cord, 3/8" gap	

Part No.	Qty.	Hrs.	Each	Sub-Total Hrs.
950BR				
950W-BR				
7945WH				
7945-2GY				
960				
960-2				
959				
959-2				
943				
951				

SECTION 5:

PIR Detectors (require remote power)

<i>Select as required:</i>	
Fresnel PIR with lookdown 50' x 50' coverage	(17mA)
Fresnel PIR 50' x 70' coverage	(17mA)
Fresnel Lens PIR 60' x 60' coverage	(15mA)
Quad AP Fresnel PIR 50' x 60' coverage	(15mA)
Recess mount PIR 40' x 56' coverage	(15mA)
Ceiling mount PIR 8'-12' ceilings (23' @ 8')/(36' @12')	(15mA)
Mirror PIR 35' x 45' coverage	(15mA)
Quad AP gold mirror PIR 40' x 48' coverage	(22mA)
Twin element mirror PIR 40' x 48' coverage	(22mA)
Advanced quad AP detector 35' x 45' coverage	(22mA)
Advanced AP Gold detector 35' x 45' coverage	(22mA)

Part No.	Qty.	Hrs.	Each	Sub-Total
998				
996				
1990				
1992				
995				
997				
1875EX				
1878GLD2				
1876-2				
RX4				
RX4GLD				

* Represents standby current draw

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SECTION 6:

Dual Tech Detectors (require remote power)

Hrs.

<i>Select as required:</i>	
Microwave/PIR 40' x 50' coverage	(16mA)
Microwave/PIR 35' x 35' coverage	(16mA)
Microwave/PIR 60' x 60' coverage	(16mA)

Part No. Qty. Hrs. Each Sub-Total

Part No.	Qty.	Hrs.	Each	Sub-Total
Quest 2000				
Quest 2135				
Quest 2160				

SECTION 7:

Photoelectric Beams (require remote power)***

<i>Select as required:</i>	
Photoelectric beam two beams Max outdoor range: 80'	(35mA)
Photoelectric beam two beams Max outdoor range: 160'	(40mA)
Photoelectric beam two beams Max outdoor range: 250'	(50mA)
Photoelectric beam two beams Max outdoor range: 320'	(50mA)
Photoelectric beam four beams Max outdoor range: 160'	(70mA)
Photoelectric beam four beams Max outdoor range: 320'	(90mA)
Photoelectric beam four beams Max outdoor range: 500'	(95mA)

Part No. Qty. Hrs. Each Sub-Total Hrs.

Part No.	Qty.	Hrs.	Each	Sub-Total Hrs.
PBD25				
PBD50				
PBD75				
PBD100				
PBQ50				
PBQ100				
PBQ150				

***Important Note: For complete line of Photoelectric Beam detector accessories, refer to Commercial Security Products full line catalog.

SECTION 8:

Non-Addressable Hard Wired Fire Devices

<i>Select as required:</i>	
Manual pull station with key reset (screw terminals)	
Manual pull station with Allen screw reset (wire leads)	
Manual pull station with key reset (wire leads)	
Heat detector – open contact, 135 degrees UL	
Heat detector – open contact, 190 degrees UL	
<i>Select four-wire smoke detectors as required:</i>	
Smoke detector photoelectric, direct wire	
Smoke detector photoelectric, with heat sensor, direct wire	
<i>Select smoke detector accessories as required:</i>	
Smoke detector sensitivity test module	
Remote annunciator alarm LED for smoke detectors	
Power supervision relay module for four-wire detection circuits	(15mA)*

Part No. Qty. Hrs. Each Sub-Total Hrs.

Part No.	Qty.	Hrs.	Each	Sub-Total Hrs.
5140MPS-1				
5140MPS-2				
MPS-5				
502				
504				
2412/24R				
2412/24TR				
MOD400R				
RA400Z				
A77-727-01				

SECTION 9:

Bells/Sirens/Strobes (require power)

<i>Select as required:</i>	
Motorized bell in box UL Grade A	(100mA)
Motorized bell in box UL	(100mA)
Motorized bell UL	(100mA)
Strobe 12 Volt, 15 Candela, Red	(114mA)
Strobe 12 Volt, 15/75 Candela, Red, ADA	(142mA)
Horn 12/24 Volt, Red	(12/23mA)
Horn/Strobe 12 Volt, 15 Candela, Red	(124mA)
Horn/Strobe 12 Volt, 15/75 Candela, Red, ADA	(152mA)
Horn/Strobe synchronization module	(16mA)
Horn/Strobe surface mount back box skirt	
Horn/Strobe small mounting plate	
Indoor/Outdoor 25 Watt Eight Ohm siren with driver 4x4 box mount, 112db	(550mA)
Indoor wall mount siren, 85 db	(320mA)
Combination speaker and siren driver	(30 Watts)
Indoor wall mount speaker 15 Watt Eight Ohm – requires driver	(15 Watts)
<i>Select a driver for above speakers:</i>	
12 VDC selectable sound driver	(15 Watts)
Selectable 3 languages (English, Spanish, French) 12 VDC voice siren driver	(15 Watts)

Part No. Qty. Hrs. Each Sub-Total Hrs.

Part No.	Qty.	Hrs.	Each	Sub-Total Hrs.
AB12M				
1011BE12M				
AD10-12M				
SB1215				
SB121575				
HN1224				
HS1215				
HS121575				
SM12				
SBS				
MP/S				
748LC				
747UL				
702				
746				
744				
745x3				

* Represents standby current draw

Total Material Cost page 3

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Total Hours page 3

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**SECTION 10:
Power Supplies**

Part No. Qty. Hrs. Each Sub-Total Hrs.

<i>Select to provide additional current needs:</i>						
12-24 Volt power supply (supervised)	(4 Amps)	AI400UL-ADA				
12-24 Volt (non supervised)	(2.5 Amps)	AD25624				
6-12 Volt (non supervised)	(1.2 Amps)	AD12612				
<i>Select batteries for above power supplies</i>						
Yuasa 12 Volt DC, 7 AmpHr battery		NP7-1				
Yuasa 12 Volt DC, 12 AmpHr battery		NP12-12				

*Note: 1. For components not powered by the control, add current draw (mA) of devices. Select power supplies as needed to deliver required power.
2. Bells, sirens and strobes may require auxiliary power supplies.*

**SECTION 11:
Fire Alarm/Security Cables**

Part No. Qty. Hrs. Each Sub-Total Hrs.

<i>Select as required:</i>						
18/4 Solid jacketed FPL fire rated wire , 500' Red, in box		GJ-988040504				
18/2 Solid jacketed FPL fire rated wire, 500' Red, in box		WG-818424504				
18/2 Solid zip FPL fire rated wire, 1,000' Red, in box		GJ-978184604				
18/2 Stranded, unjacketed, security rated wire, 1,000' , White, in box		WG-38162				
18/4 Stranded, jacketed, security rated wire, 500' , White, in box		WG-28251				

Wire Installation Labor Estimates

Installation Difficulty	Wire Run Distance		Rate: (hours/feet)		Wire Installation Hours
	Feet	Multiplied by		Equals	
Easy wire runs	Feet	Multiplied by	0.015 hrs/ft	Equals	
Medium wire runs	Feet	Multiplied by	0.025 hrs/ft	Equals	
Difficult wire runs	Feet	Multiplied by	0.100 hrs/ft	Equals	
				Total	

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Total Job Cost Worksheet

- | | | |
|--|---|---|
| A. JOB RESPONSIBILITY
<input type="checkbox"/> Total Job Installation Checkout
<input type="checkbox"/> Equipment and Final Checkout
<input type="checkbox"/> Equipment Only | JOB TYPE
<input type="checkbox"/> Existing Building
<input type="checkbox"/> New Construction
<input type="checkbox"/> Other _____
_____ | SYSTEM TYPE
<input type="checkbox"/> BA
<input type="checkbox"/> FA
<input type="checkbox"/> CCTV
<input type="checkbox"/> I.P.
<input type="checkbox"/> Card Access
<input type="checkbox"/> Intercom
<input type="checkbox"/> Voice Evac.
<input type="checkbox"/> _____ |
|--|---|---|

B. TOTAL MATERIAL COST: Add Material Cost Totals from previous pages. → \$

C. LABOR COST CALCULATION

Add Total Labor Hours (material and wire run) from previous pages.

Regular Hours _____	X	L.L. Rate _____	=	<input style="width: 50px;" type="text"/>
O.T. Hours _____	X	1.5 L.L. Rate _____	=	<input style="width: 50px;" type="text"/>
O.T. Hours _____	X	2.0 L.L. Rate _____	=	<input style="width: 50px;" type="text"/>

 Add Additional Hours if Required:

Engineering Hours _____	X	Branch Rate _____	=	<input style="width: 50px;" type="text"/>
Project Mgr. Hours _____	X	Branch Rate _____	=	<input style="width: 50px;" type="text"/>
System Test Hours _____	X	Branch Rate _____	=	<input style="width: 50px;" type="text"/>
Training Hours _____	X	Branch Rate _____	=	<input style="width: 50px;" type="text"/>

TOTAL LABOR COST → C. \$

D. SUBCONTRACTOR LABOR

Subcontractor Bid \$ _____ X _____ % Overhead = D. \$

E. MISCELLANEOUS COSTS

- Additional Insured / Spot Insurance \$ _____
- Blueprints, Manuals, Etc. \$ _____
- License, Permits, Etc. \$ _____
- Shipping Costs \$ _____
- Warranty Costs \$ _____
- Inspection Costs \$ _____
- Equipment Rental Costs \$ _____
- Mileage and Per Diem Costs \$ _____
- Hardware \$ _____
- Other \$ _____

TOTAL MISCELLANEOUS COSTS → E. \$

= **TOTAL JOB COST** \$
 (Total B, C, D + E)

X **PROFIT MARGIN** %

= **DIRECT SALE PRICE** \$