



HARNETT COUNTY EMERGENCY SERVICES

RECENTERNOE

CODE COMPLIANCE OFFICER

4/4/18

Application for Plan Review

, Appli	ication # 18 - SU43091
Date Received: 3/28	18 Received By: Bolk P
Name of Project:	Absolute Care Assisted Living / Above & Bryand Expandions
Physical Address of Project:	431 Junny Rd. / Bldg. #4
	<u>Angier</u> , NC <u>27501</u>
Plans Submitted By:	Collin D. Hurley/Tyco Integrated Security
Project Phone:	(<u>919</u>)- <u>337</u> - <u>9262</u>
Contact Person/Address:	Collin D. Hurley/Tyco Integrated Security
	14001 Weston Pkwy. Ste. 102
	Cary, NC 27513
Contact Email:	collin.hurley@jci.com
Contact Phone:	(919)-337 - 9262 ()
Contractor's Name/Info:	Collin D. Hurley/Tyco Integrated Security
	14001 Weston Pkwy. Ste. 102
	Cary, NC 27513
Contractor's Phone:	(<u>919</u>)- <u>337 - 9262</u>

- Plans that are submitted will be reviewed as quickly as possible with an <u>average time of review</u> between 7-10 working days.
- Status checks may be conducted on plan reviews by visiting the website http://hteweb.harnett.org/Click2GovBP/Index.jsp or by calling the Harnett County Central Permitting Office (910-893-7525, Option #2), or the Harnett County Fire Marshal's Office (910-893-7580).
- Approved plans must be picked up from the Central Permitting Office and all fees paid before any required inspections can be conducted.



April 4, 2018

Collin Hurley
Tyco Integrated Sec.
14001 Weston Parkway
Suite 102
Cary, NC. 27513

Re: Absolute Care Assisted Living

431 Junny Road Angier, NC 27501

Application Number 18-50043691

Mr. Hurley,

Thank you for submitting the fire alarm replacement paperwork. The request for change has been carefully reviewed by a qualified code enforcement official to examine for compliance with the North Carolina Fire Prevention Code and all other fire protection regulatory documents. There are some items that need to be addressed before a final inspection of the new panel can be given. These items are outlined and described below.

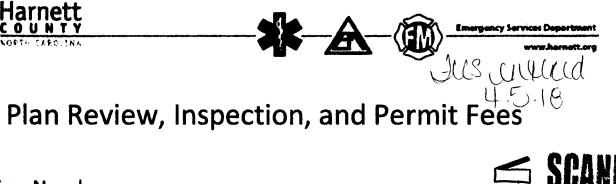
Fire Alarm System Upgrade Notes

All items in notes are to be completed at the time of final.

- o Provide a record of completion.
- The Fire marshal's office will complete an acceptance test at completion of project.
- Provide a copy of account history after the acceptance test is completed and approve.
- Provide an accurate zone map at the FACP and remote annunciator panel.
- All work/installation shall be compliant with the NCSFC and NFPA
 72.
- Call Fire Marshal's office to schedule the fire alarm acceptance test. (910-893-0743)

Thank you again for submitting the fire alarm panel upgrade. Please review and adhere to any notes. These remarks are for the paperwork that was submitted and its original





Application Number	:	185	0043691	SCANNED
\$200.00		Explosive Material (90 Days)	\$	-
\$100.00		Explosive Materials (72 Hours)	\$	•
\$100.00		Fireworks Public Display	\$	-
\$50.00		Final Inspection	\$	-
\$35.00 + \$2.00 per device	V	Fire Alarm Testing	\$	35.00
\$35.00 + \$2.00 per nozzle		Fixed Fire Suppression	\$	-
\$75.00		Insecticide Fog/Fumigation	\$	-
\$100.00		Pipe Test/UST/AGST	\$	-
\$50.00		Plans up to 5000 sq ft	\$	-
\$100.00		Plans 5001 sq ft to 10,000 sq ft	\$	
\$150.00		Plans 10,001 sq ft to 25,000 sq ft	\$	-
\$250.00		Plans 25,001 sq ft and over	\$	-
\$35.00 + 2.00 per head		Sprinkler Certification Test	\$	•
\$50.00		Standpipe Testing	\$	-
\$50.00		Special Assembly	A	
		(ie. amusement buildings, carnivals, fairs)	\$	-
\$75.00		Tents/Canopies/Air Supported Structure	cture \$	-
\$100.00		Tank Installation (charge for each ta	ınk) \$	
\$100.00		Tank Removal (charge for each tank	() \$	-
		Total Devices/Heads	\$	-
		Total Cost	\$	35.00
Code Enforcement Officia	l	Rodney Daniels		4/4/2018









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intent. These remarks do not apply if the original intent changes or what was submitted on the above date changes. If you have any questions, please do not hesitate to call this office.

Again, thank you and we look forward to working with you during the construction period!

Sincerely

Rodney Daniels Fire Marshal





SCANNED

Application for Plan Review

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MAR 2 9 2018

_, Appli	ication # 18 - 50045091
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Physical Address of Project:	431 Junny Rd. / Bldg. #4
	Angier, NC <u>27501</u>
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Tyco Integrated Security 14001 Weston Parkway Suite 102 Cary, NC 27513

Tel: (919) 337-9262 Fax: (919) 337-9310

www.tycois.com

March 27, 2018

Attn: Rodney Daniels Harnett County 108 E. Front St, Lillington, NC 27546

RE: Like for like fire alarm system replacement at Absolute Care Assisted Living.

Mr. Daniels,

Please find enclosed the cutsheets and calculations for the replacement of the fire alarm system in Building 4 of Absolute Care Assisted Living, located 431 Junny Rd. in Angier. Per our conversation we will replace the panel and each smoke detector one for one, like for like. We will provide an addressable module at the existing duct detector and pull stations.

Please note that the intention of functionality of the system as it is was originally designed and installed will not change as a result of this conversion. This conversion is required because the existing system is nonfunctional due to the building sustaining water damage several years back. The facility is now making the necessary repairs to the building to make it habitable again.

Please let me know if you have any further questions or comments and I will be happy to assist in any way possible.

Thank you..

Collin D. Hurley

(919) 337-9262 p (919) 337-9310 f

collin.hurley@jci.com

euen 1003,0cober2014 Honoywell Security			cility informati		glejne jdeje dij			dby and Alarm Tin		Battery Contigen Factor
	Location:		cinty imormati		Care Bldg. 4			Standby (hours):	24	27-13-12-12
9 2000-2001 House distributed by . All Rights Reserved	Account #:							ıration (minutes):	5	10%
Apply Ut Power Limits? (Required to maintain Ut Listing including ULBS4)	Model: Engineer:						a et alton	Recommended		L
☑ Commencial Fire Installation	Date:				3/27/2018			Bettery (AH)	13.6	
Commencial Burg (retailation										
Baran Carlo Baran Sharin Carlo		,	,	SELECTE	PANEL N			RATINGS		
elect Panel from pulldown list:	Poiling Loop (mA)	Standby Auxiliary Power (mA)	Alerm Auxillary Power (mA)	Panel Standby (mA)	Panel Alarm (mA)	Bell #1 Output (mA)	Bell #2 Output (If used; mA)	Maximum Panel Standby Output	Maximum Panel Alarm Output	Mex Bett Supporte Panel
iTA-25∪FBP ▼	128	1000	1700	300	470	1700	1700	1000 Total Standby	2300	Sa Hollstings III
Calculated Current Draw	44.1	135	455	Calculate	d Bell Drew	0	0	179	499	
Power Budget	83.9	865.0	1245.0	Bell Po	wer Budget	1700 0	1700.0	820.9	1800.9	
Remove Unused Clarings Prony List			لنجمو	Bell Power			0.0	5 e ii P	ower Reg'd (mA):	ulfs.tit.def
		How many					7-4			
EYPADS/INTERFACES	Enter Quantity	powered externally?		Alema				Total Alarm Current	Food Science Convent Required	
- I ADOUT LAFACES	Quartity 0	externally?		Line Burner	IA II A		0		,	
74.8	0	0	5.7	1900			0		0	
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39/6139R	ő	Ö		100			0			
	0						0			
	0	0					0			
	0						0			
60/6160CR	0			150			0			
50CR-2 50PX	2	0		160 165			90		0	Lugik.
50FA		0		150			0			
60V	0	0	60	190			0	0	0	
64US Using Relay?	0			210			0			
65EX 60S	0			70 150			0			3500
60W	0			150			0	 		
xedo Family: TUXW/TUXS				340			0			july ex
x WIFi Family: TUXWIFIW/TUXSWIFI Backlight On? A-8 Fire Zone Annunciator	0	0		350 65			0			
A-24 Fire Zone Annunciator	0	0		130			. 0		0	
id'i Keypd (Enter # and Currents)	. 0	0	 	0			0			
ld'i Keypd (Enter # and Currents) ld'i Keypd (Enter # and Currents)	0	0		0			0			
d'i Keypd (Enter # and Currents)	o	0		0			0			
		na Paradhan			er og kalende		Super light	Hallyet Kile		
		How many					740			
MRE & 4 WRE SMOKE DETECTORS (except Vplex ling Loop detectors)	Enter Quantity	powered externally?	-2-	Alberta Current Mari			****			
rire smoke detector (zone powered)	0	-						cluded to help you	geografischen Schlieber 1400 zweißer	in Mar-
ire smoke detector (zone powered)	0		create a complete or if the selected p				er of detectors e	xceeds panel capacity.		
ire smoke detector (zone powered) ire smoke detector (zone powered)	0		SERVICE STREET			LA CALLAGO ROM	a (a Congresso			
re smoke detector (zone powered) / 4 wire Smoke (Qnt'y & Currents)	0		0	nduzumnu. O	eretowe (E.Fuñisk)	a::41;0940432M99443	0	0	0	
/ 4 wire Smoke (Qnt'y & Currents)	0	0	0	0			0	. 0	0	HTS. 1 - THE LEWIS CONT. P. T. P.
/ 4 wire Smoke (Qnt'y & Currents)	0		, 	0			0			Section 1985
V 4 wire Smoke (Qnt'y & Currents)	0	0		0			0	0	0	
		How many	370 27 (817) 1745			17.10	Total			

MULTI-POWER DEVICES	Enter Quantity	How many powered externally?			Passag Loop	Total Pulling Loop		Total Alexan Corner	Total External Current Required
4208U [powered by polling loop]	0	0	10						
4208U [powered by panel aux power]	0	0	1,0						
4208U [powered externally]	0	0	-3						
4208SN [powered by polling loop]	0	0	£3						
4208SN [powered by panel aux power]	0	0	15						
4208SN [powered externally]	0	0	19						
4208SNF [powered by polling loop]	0	0							
4208SNF [powered by panel aux power]	0	0	42.5						
4208SNF [powered externally]	0	0	40						
4208SNF (Class B to A Zone Converter)	0	0	40	40	0	0	0	() (
4209U Grouped Zone Mux. Module	0	0	9.40						
4209U [powered externally]	0	0	9.45						
4297 Polling Loop Extender	0	0	177						
Add'l Device (enter quant. & currents)	0	0	0	0	0		0		
Add'l Device (enter quant. & currents)	0	0	0	0	0		0		
Add'l Device (enter quant. & currents)	0	0	0	0	0		0		
Add'l Device (enter quant. & currents)	0	0	0	0	0	0	0		1

	Enter	How meny powered		ing a seguin		Total		Total Extract
AUXILIARY POWERED DEVICES	Quantity	externally?		Alema Current (Aux)	Polity Loop Loop	e de la constant	Total Alerm Current	Current Required
PS24 24 volt Power Supply Module	0	0	0	100		0	0	C
4100SM (no more than one per system)	0	0	25	25		0	0	
4204: Enter no. of relays used	0	0	40	40		0	0	(
4204CF: Enter no. of relays used	0	0	80	80		0	0	C
4286 with warning speakers	0	0	220	300		0	0	c
5140DLM Backup Dialer Module	1	0	5	15		5	15	0

5800RP wireless repeater module	0	0	80	80	0	0
5881EN receiver	0	0	60	60	0	0
883 hi-security receiver	0	0	80	80	0	0
/A8200 Panel Linking Module	0	0	88	88	0	0
Add'l Device (enter quant. & currents)	0	0	0	0	0	0
Add'l Device (enter quant. & currents)	0	0	0	0	0	0
Add'l Device (enter quant. & currents)	0	0	0	0	o	0
Add'i Device (enter quant. & currents)	0	0	0	0	0	0
Communicators						
7845GSM/7845i-GSM	0	0	10	10	0	0
7845i/7845i-ENT	0	0	10	10	0	0
GSMX4G	0	0	65	250	0	0
GSMV4G	0	0	10	10	0	0
GSMV4G	0	0	10	10	 o	o
PGSM-4G	0	0	0	0	0	0
GSMCF/iGSMCF Fire Communicator	0	0	10	10	 Ö	ō
/ista-GSM4G/Vista-GSM4GCN (Vista-21iP only)	0	0	10	10	0	o
7847i/7847i-E Internet Communicator	Ö	ō	75	75	o	ō
Add'l Device (enter quant. & currents)	0	0	0	0	0	o
Add'l Device (enter quant. & currents)	Ö	0	0	0	0	0
PIR Motion Detectors (non Vplex)						
S215T LED Active?	0	0	10	7	Ö	ol
S215TCE	0	0	18	18	o	0
\$2260/I\$2260T LED Active?	0	0	4	4	0	0
S2460	0	0	9	9	o	0
S2500LT	0	0	25	25	 o	o
S2535/IS2535T	0	0	20	20	0	0
S2560/IS2560T	0	0	20	20	0	0
S2560TC	0	0	25	25	0	0
IS310/IS320 Request to Exit (RTE)	0	0	35	35	0	0
997 Ceiling Mount PIR 💟 LED Active?	0	0	17	12	0	0
998 Wall Mount PIR LED Active?	0	0	13	13	0	0
Motion Detctrs (enter quant. & currents)	o	0	0	0	o	o
Motion Detctrs (enter quant. & currents)	0	0	0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0	0	0
Motion Detctrs (enter quant. & currents)	0	o	ō	o	o	0
Dual Tech Motion Detectors (non Vplex)	والأسادات					
DT-515	0	0	20	20	0	0
DT-6100STC	0	0	35	35	0	0
DT-7235T	0	0	20	20	0	o
DT-7435/DT-7435C	1 0	o	30	30	0	0
DT-7450/DT-7450MIC	0	0	35	35	Ö	0
OT-7550	1 0	0	40	40	Ö	0
Motion Detctrs (enter quant. & currents)	i	o	0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	ō	0	0	ol
Motion Detctrs (enter quant. & currents)	i	0	0	0	0	0

			Control of the second			
	Enter	How many powered by			Yest Confine	
POLLING LOOP DEVICES	Quantity	4297?	Standay (out Alors par) Current (Aux)	Polling Loop	Total Pelling Last	Current Total Alerts Current Current Requires
4101SN Single Output Relay Module	0	0		7	0	
4190SN Two Zone SIM	0	0		2	0	
4191SN-WH	0	0		0.5	0	
4193SN Two Zone SIM	7	0		1.5	10.5	
4193SNP Two Zone SIM	0	0		1.5	0	
4209U	0	0		15.5	0	
DT7500SN LED Active?	. 0	0		2.6	0	
4293SN	0	0		1	0	
4939SN WH/BR/GY Surf Mt. Cntct.	0	0		. 1	0	
4944SN Recessed Contact	0	0		1	0	
4945SN-WH	0	0		0.5	0	
4959SN Overhead Door Contact	0	0		0.5	0	
5192SD Smoke Detector LED Active?	0	0		1.2	0	
5192SDT Smoke w/ Heat LED Active?	0	0		1.2	0	
5193SD Smoke Detector LED Active?	12	0		2.8	33.6	
5193SDT Smoke w/ Heat LED Active?	0	0		1.2	0	
998MX PIR LED Active?	0	0		1	0	
IS2500SN PIR LED Active?	0	0		1.6	0	
FG-1625SN Glass Break Detector	0	0		1	0	
Quest2260SN LED Active?	0	0		6	0	
Vplex-VSi Short isolator	0	0		5	0	
Vistakey	0	0		2	0	
Add'l VPlex (enter qnt'y & current)	0	0		0	0	
Add'l VPlex (enter qnt'y & current)	0	0		0	0	
Add'i VPiex (enter qnt'y & current)	0	0		0	0	
Add'i Vplex (enter gnt'y & current)	0	0		0	0	
		en en en jaren. Santan			44	

12V NOTIFICATION DEVICES ON BELL OUTPUT #1	Enter Quantity	How many powered externally?	Personal Contract of the Contr	Alarm Current (Aux)		Total Sources Current (sufficient)
Enter device name, quant., & current	0	0		200	0	0
Enter device name, quant., & current	0	0		0	0	0
Enter device name, quant., & current	0	0		0	0	0
Enter device name, quant., & current	0	0		0	0	0
Enter device name, quant., & current	0	0		0	0	0
	1.0					

12V NOTIFICATION DEVICES ON BELL OUTPUT #2 (IF USED)	Enter Quantity	How many powered externally?	Teaching feat	Alarm Current (Aux)		Total Bounder Current (substant)
Enter device name, quant., & current	0	0		0	0	0
Enter device name, quant., & current	0	0		0	0	0
Enter device name, quant., & current	0	0		0	0	0
Enter device name, quant., & current	0	0		0	0	0
Enter device name, quant., & current	0	0		0	0	0

Honeywell

VISTA-250FBP/V250FBP-24

COMMERCIAL PARTITIONED FIRE AND BURGLARY ALARM CONTROL PANEL



Now UL864 9th Edition Approved

Designed to integrate seamlessly with CCTV, access control and Honeywell's full range of fire and burglary components, the new VISTA-250FBP provides the ultimate protection of life and property. The UL Listed commercial fire and burglary control panel supports up to eight partitions and up to 250 zones/points using hardwired, wireless and V-Plex*

addressable technologies. A diverse line of Honeywell initiating devices, notification circuits, communication devices, keypads, RF receivers and relays are also supported. The VISTA-250FBP has been designed to mount quickly and easily in an attack resistant cabinet, and is available in 12V and 24V models.

FEATURES

- Comes standard with eight hardwired zones, expandable to 242 V-Plex addressable points/zones or 250 wireless points/zones
- Can control eight separate areas independently (eight partitions)
- Supports commercial wireless fire and burglary devices
- Stores up to 1,000 events
- Supports V-Plex addressable VistaKey access control (up to 15 doors)
- Accommodates 150 user codes and up to 500 access card holders using VistaKey
- Two on-board notification (bell) circuits delivering 2.3A @ 12V or 3.4A @ 24V
- Automatic smoke detector sensitivity maintenance testing

- Four-wire smoke reset using onboard J2 output trigger
- Supports Dynamic Signaling for AlarmNet communicators used in conjunction with the phone line
- Supports remote control via AlarmNet Total Connect Services*
- Supports Internet Alarm Reporting*
- Notification Appliance Circuits (two):
- Programmable
- Individually silenceable
- Programmable on-board auxiliary relay
- False alarm reduction features:
- Exit error logic
- Exit delay reset
- Cross zoning
- Call waiting defeat
- Recent close report

- Hardwired zones:
 - Provides eight style B hardwired zones
- Supports N.O. or N.C. sensors
- Individually assignable to any partition –
 Up to 32 two-wire smoke detectors each on zones one and two (64 total)
- Up to 50 two-wire glassbreak detectors on zone eight
- EOLR supervised for Fire and UL burglary installations
- Listed to UL864 9th Edition
- Upload/download via Ethernet*
- Carbon Monoxide (CO) zone support

*When used with AlarmNet devices.

Honeywell

SPECIFICATIONS

Electrical

- Primary power: 18VAC @ 72VA ADEMCO No. 1451
- Control Panel quiescent current draw: 300mA
- Backup battery:
- 12VDC, 12AH min to 34.4AH max
- Lead acid battery (gel type)
- Alarm power: 12VDC, 1.7A max for each notification (bell) circuit output Total 2.3A @ 12V
- Aux. standby pwr: 12VDC, 1A max
- Total power: 2.3A at 12VDC, 3.4A at 24VDC from all sources
- Standby time: 24 hours with 1A standby load using 34.4AH battery
- Fusing: Battery input, aux. and notification (bell) circuit outputs are protected using PTC circuit protectors.
 All outputs are power limited
- Optional 24-volt power supply, PS 24 supplies two 24 VFW, 1.7A full wave rectified, unfiltered outputs

Main Dialer

- Line seize: Double Pole
- Ringer equiv.: 0.7B
- Formats: ADEMCO Low Speed, ADEMCO 4+2 Express, ADEMCO High Speed, ADEMCO Contact ID, Sescoa and Radionics
- Dual phone line capability (using 5140DLM module)

Cabinet Dimensions

• 18" H X 14.5" W X 4.3" D

Environmental

- Storage temp: 14° F to 158° F (-10° C to 70° C)
- Operating temp:
 32° F to 122° F
 (0° C to 50° C)
- Humidity: 85% RH
- EMI: Meets or exceeds the following requirements:
- FCC Part 15, Class B Device
- FCC Part 68
- IEC EMC Directive

Agency Listings

- UL609 Grade A Local Mercantile Premises and Mercantile Safe and Vault
- UL611/1610 Grades A, AA, Central Station
- UL365 Grades A, AA Police Connect
- UL864/NFPA72 Local, Central Station and Remote Station
- UL985
- Factory Mutual
- California State Fire Marshal
- MEA
- CAN/ULC S304 Central and Monitoring Station Burglar Alarm Unit
- CAN/ULC S527 Central Unit for Fire Alarm Systems
- CAN/ULC S303 Local Burglar Alarm Unit
- CAN/ULC S525 Audible Signal Appliances

VISTA-250FBP/V250FBP-24

COMMERCIAL PARTITIONED FIRE AND BURGLARY ALARM CONTROL PANEL

COMPATIBLE DEVICES

Auxiliary Devices

- 4204 Relay Module, four form C contacts
- 4204CF Two supervised output circuits
- 5881 Series RF receiver
- 5883H RF receiver
- 6220S System printer used with 4100SM serial module
- 6160CR-2 Red Fire Keypad
- 6160 Burglary Keypad

Two-Wire Smoke Detectors Conventional

- System Sensor
- ESL
- DSC

Horn/Strobes

- System Sensor
- Wheelock
- Gentex

Manual Pull Stations

- 5140MPS-1
- 5140MPS-2

V-Plex (Addressable) Zone Expanders

• 4101SN Single Relay/Zone Module

- 4190SN Remote Point Module two zones
- 4193SN Two Zone Serial Interface Module
- 4208SNF Class A/B Expander Module
- 4208U Loop Expansion Module eight zones
- 4293SN One Zone Serial Interface Module

V-Plex Extender/Isolation Modules

- 4297 Extender/Isolator Module
- VSI Isolator Module

V-Plex Smoke Detectors

- 5193SD
- 5193SDT

V-Plex Passive Infrared Detectors

- 998MX
- IS2500SN
- DT7500SN

V-Plex (Addressable) Contacts

- 4939SN-WH
- 4944SN-WH
- 4959SN

V-Plex Glassbreak Detectors

• FG1625SN

Optional 24V Power Supply

• PS24 - 24V power supply - 3.4A

Commercial Wireless Devices

- 5808W3 Photoelectric Smoke/Heat Detector
- 5806W3 Photoelectric Smoke Detector
- 5809 Wireless Heat Detector
- 5817CB Wireless Commercial Transmitter
- 5869 Hold up Transmitter
- 5881FNHC RF Receiver
- 5883H RF Receiver

Access Control

- VistaKey V-Plex (addressable)
 Access Control
- VistaKey-SK Starter Kit
- VistaKey-EX Expansion Kit

Alarm Communications

- 7845i-ENT Internet/Intranet Communicator
- 7845GSM Digital Cellular Communicator
- 7845i-GSM Internet and Digital Cellular Communicator
- GSMCF/iGSMCF Commercial Fire Communication Kits (when available)

Product specifications subject to change.

ORDERING

V250FBP-9 V250FBP9-24 Commercial Fire and Partitioned Burglary Alarm Control Panel 12V Model Commercial Fire and Partitioned Burglary Alarm Control Panel 24V Model

For more information: www.honeywell.com/security/hsc

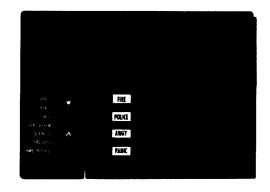
Automation and Control Solutions

Honeywell Security & Communications 2 Corporate Center Dr. Suite 100 Melville, NY 11747 1.800.467.5875 www.honeywell.com

L/VSTA250FBPD/D September 2009 © 2009 Honeywell International Inc. Honeywell

6160CR-2

COMMERCIAL FIRE ALPHA KEYPAD UL864 REV 9 LISTED



The 6160CR-2 is an addressable remote keypad intended for use in commercial fire applications with Honeywell's commercial fire control panels. The keys are continuously backlit for convenience and easy visibility. The LCD display is backlit only when a key is depressed*, or when the system is in alarm or trouble condition.

*Note: The LCD may be programmed to remain on at all times (see panel instructions for details).

FEATURES

- Four programmable function keys
- Built-in sounder
- Seven Status LEDs
- Armed (Red)
- Ready (Green)
- Power (Green)
- Fire Alarm (Red)
- Silenced (Yellow)
- Supervisory (Yellow)
- Trouble (Yellow)

- Large easy-to-read display
- Red removable door
- Physical5.250" W x 7.437" H x 1.312" D

SPECIFICATIONS

Sounder

High-quality speaker

Electrical

 45mA standby 160mA in alarm (sounder, back light and LED on)

Compatibility

- Supports Control Panels
 - VISTA-32FB Rev 5 and higher
 - VISTA-128FBP Rev 4 and higher
 - VISTA-250FBP Rev 4 and higher

UL/CUL and residential Listed for commercial fire and burglary installations. To be employed with manufacturer's listed control units as indicated in the installation instructions.

Product specifications subject to change.

ORDERING

6160CR-2

Commercial Fire Alpha Keypad

For more information: www.honeywell.com/security/hsc

Automation and Control Solutions

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TG-7FS | CELLULAR ALARM COMMUNICATOR FOR 3G/4G NEIWORKS.

COMMERCIAL FIRE

PRODUCT FEATURES

Meets UL 864 requirements for sole, primary or backup path communications

Provides RMR protection by leveraging technology that operates on 3C/4C notworks

Supports listen-in, two-way voice verification over cellular.

Minimizes false alarms by providing dual paths for self-tests

Falls back to 2G (GSM) if a 3G/4G network isn't available.

The Telguard TG 7FS is the ideal cellular alarm communications solution for commercial fire systems. The TG-7FS transmits alarm signals from the fire panel over the digital cellular network to the designated monitoring station.

Compliant with the 2013 Edition of NEPA 72, the TG-7FS can serve as the sofe communications path for the fire alarm system. It replaces all of the landlines currently dedicated to the master control unit. On average, cellular monitoring costs the end user significantly less than a dedicated landline. For each landline replaced with a TG-7FS, the monthly communications bill decreases.

By being able to signal failures to the central station within sixty minutes of an outage, the TG-7FS can be installed as the sole path to commercial fire installations. For existing installations, all landlines can be swapped for a single TG-7FS because of the new sixty minute supervision mode.

The TG-7FS can also be installed as a backup path and upgraded to sole path at a later date.

Telguard Online

Telguard makes adopting cellular easy with a secure Internet portal. The straightforward web interface allows security dealers and central stations to quickly and efficiently access Telguard based services 24/7. This advanced tool has multi-level user authorization and provides total account management of UL Listed Telguard cellular alarm communicators

Telguard Cellular Service

Telguard Cellular Service provides nationwide digital cellular network coverage for all Telguard units.
Telguard's Communication Center is UL compliant and provides seamless connectivity between the alarm panel, the Telguard family of products and the central station.
Telguard Technical Support provides a single point of contact for both cellular service and Telguard product questions

Advanced Reliability

- Features the ability to utilize multiple cellular technologies to increase availability and reduce false alarms.
- Automatic self-tests with central station notification ensure the cellular system is operating.
- Available relay output for tripping the alarm control panel when a trouble condition occurs.



TELGUARD

TG-7FS CELLULAR ALARM COMMUNICATOR FOR 36/46 NETWORKS

Power

- Transmit power: 1.0W-2.0W (maximum allowable).
- Power Consumption: 60mA (Standby)
 250mA (Transmission).
- Transformer: 12VAC, 800mA UL listed plug-in.

Radio Transceiver

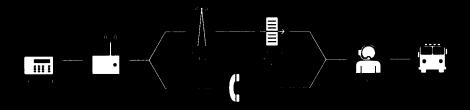
- 3G cellular radio.
- GSM 850MHz: Class 4 (2 watts).
- GSM 1900MHz: Class 1 (1 watt).
- UMTS WCDMA FDD 850/1900MHz.
- Antenna: 9" dipole with 2dBi gain,
 12 ft of cable and universal mounting bracket.
- FCC part 15, 22, 24 and 68 compliant.

Physical Details

- TG-7FS: 7.5" H x 11.5" W x 3.5" D.
- Shipping Weight: 8lbs.
- Operating Environment:
 0°C to +50°C; up to 95% humidity (non-condensing).

Standard Features

- Full data reporting.
- Automatic self-test (60 min. & daily).
- Power supply with battery harness.
- Locking, red metal enclosure.
- Two programmable supervisory trip outputs.
- Alarm format support for SIA2, Contact ID, pulse (3x1, 4x2), modem IIe, & IIIa², DMP.
- Telephone line monitor built-in, with Standard Line Security.



Telguard technology allows full data reporting for unlimited point-to-point signal details and maximum transmitting power for superior in-building penetration.

Telguard products are easy to install, economical, and UEL isted

Accessories

- ACD 12, ACD 35, ACD 50, ACD 100:
 12/35/50/100 feet of low loss, high performance cable
- HGD-0: High gain directional antenna
- EXD-0: External antenna

UL Listings Commercial Fire

864 • Control units & accessories for hi alarm systems

Commercial Burglary

\$65 • Police Station connected burglar alarm units and systems

1640 • Central station burglar alarm units;
Time security services.

Residential

985 • Household fire warning systems

* For the most current product specifications and 0. Filting of introdex felips advises





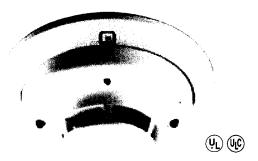




Honeywell

5193 Series

V-PLEX® ADDRESSABLE SMOKE DETECTOR



Honeywell's V-Plex Addressable Photoelectric Smoke Detectors are designed to provide open area protection and to be used with compatible UL or ULC-listed Honeywell control panels that support V-Plex technology. The detectors incorporate a state-of-the-art optical sensing chamber and an advanced microprocessor. Built-in Drift Compensation algorithms automatically maintain proper operation at factory calibrated detection levels, even when sensitivity is altered due to the presence of contaminates settling into the unit's chamber. The 5193SDT/A also features a restorable, built-in, fixed temperature (135°F/57.2°C) thermal detector.

FEATURES

- Easy Installation: Installation is simplified by the use of a mounting base that may be pre-wired to the system, allowing the detector to be easily installed or removed for maintenance or service. (See Figure 1).
- LED Status Indicators: Two LEDs (green and red) provide local visual indication of the detector's status – including normal operation, alarm, out of sensitivity and trouble conditions.
- **Test button:** This button allows the user to perform periodic testing of the detector's circuitry and verify that the detector is within the sensitivity limits.
- Versatile Mounting: Mounting is made simple with the included hardware and the large mounting ports, which accommodate drywall anchors for easy surface mounting. (See Figure 1).
- Tamper Protection and Tamper Resistance: The detector contains a built-in tamper switch that can communicate back to the control panel in the event the detector is removed from its base. For an added level of security, the detector also includes a tamper resistant element that prevents removal from the base without the use of tools. (See Figure 1).

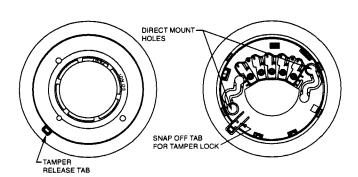
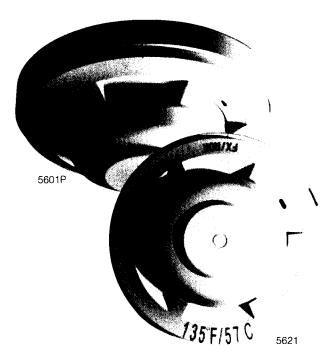


Figure 1: Tamper-Resistant Feature/Wiring



5600 Series Mechanical Heat Detectors

System Sensor's 5600 series mechanical heat detectors offer a low-cost means for property protection against fire, and for non-life-safety installations where smoke detectors are inappropriate.



Features

- Multiple configurations for installations:
 - Single- and dual-circuit models
 - Fixed temp and combination fixed- temp/rate-of-rise 135°F or 194°F ratings.
- Plain housing for residential installations (Model 5601P)
- Easy-to-use terminal screws
- A broad range of back box mounting options:
 - Single gang
 - 3.5" and 4" Octagonal
 - 4" square with square to round plaster ring
- Reversible mounting bracket

Multiple configurations. The 5600 series offers a full-line of configurations to accommodate a broad range of applications. Both single- and dual-circuit models are available for low- and high-temperature ratings with either fixed temperature or combination fixed temperature/rate-of-rise (ROR) activation. The ROR element of the fixed/ROR models is restorable to accommodate field-testing.

Installation flexibility. To satisfy a variety of installation needs, the 5600 series easily mounts to single-gang and octagonal back boxes. And these models accommodate four-square back boxes, when used with a square to round plaster ring. The reversible mounting bracket permits both flush- and surface-mount back box installations.

Visual identification. The 5600 series provides clear markings on the exterior of the unit to ensure that the proper detector is being used. Alphanumeric characters identify the activation method, as well as the temperature rating, in Fahrenheit and Celsius degrees. Fixed temperature models are identified FX, while combination fixed/rate-of-rise units are marked FX/ROR. The 5600 series also provides a post-activation indicator in the form of a collector. When the detector is activated, the collector drops from the unit, making it easy to identify the unit in alarm.

Agency Listings









5193 Series

V-PLEX® ADDRESSABLE SMOKE DETECTOR

SPECIFICATIONS

 Heat Sensor: (Model 5193SDT/A): 135°F (57.2°C);
 Fixed Temperature Electronic Thermistors

• Operating Ambient Temperature Range: 32° to 100°F (0° to 38°C)

• Operating Humidity Range: 0 to 95% RH non-condensing

• Storage Temperature Range: -4° to 158°F (-20° to 70°C)

• Diameter (including base): 5.3 inches (13.46 cm)

• Height (including base): 2.0 inches (5.08 cm)

• Weight: 6.3 oz. (178.6 g)

• Agency Listing: UL 268; CAN/ULC S531

• System Voltage Range: 7-14V

• Standby Current (maximum @ 12V)

LED off: 1.2mA LED on: 2.8mA

ACCESSORY (sold separately)

To measure the detector's sensitivity, the SENS-RDR Infrared Sensitivity Reader tool (sold separately) should be used. It reduces testing time, simplifies sensitivity measurements and displays them precisely in terms of percent per foot obscuration. The SENS-RDR eliminates the need for magnets, voltmeters and ladders.

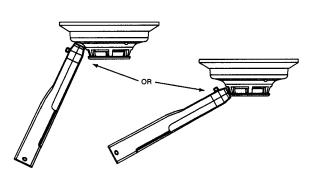


Figure 2: Position of Reader





ORDERING

5193SD Addressable Photoelectric Smoke Detector

5193SDT Addressable Photoelectric Smoke Detector with Integral Heat Sensor

5193SDTA Addressable Photoelectric Smoke Detector with Integral Heat Sensor (Canada Only)

Accessory sold separately:

SENS-RDR Handheld Sensitivity Reader

Automation and Control Solutions

Honeywell Security Products Americas 2 Corporate Center Dr. Suite 100 P.O. Box 9040 Melville, NY 11747 1.800.467.5875 www.honeywell.com

Honeywell

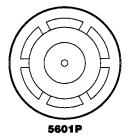
L/5193SDT/D June 2015 © 2015 Honeywell International Inc.

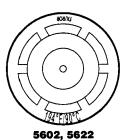
Specifications

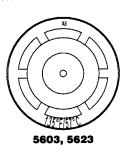
Architectural/Engineering Specifications

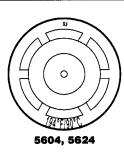
Mechanical heat detector shall be a System Sensor 5600 series model number _______, listed to Underwriters Laboratories UL 521 for Heat Detectors for Fire Protective Signaling Systems. The detector shall be either a single-circuit or a dual-circuit type, normally open. The detector shall be rated for activation at either 135°F (57°C) or 194°F (90°C), and shall activate by means of a fixed temperature thermal sensor, or a combination fixed temperature/rate-of-rise thermal sensor. The rate-of-rise element shall be activated by a rapid rise in temperature, approximately 15°F (8.3°C) per minute. The detector shall include a reversible mounting bracket for mounting to 3½-inch and 4-inch octagonal, single gang, and 4-inch square back boxes with a square to round plaster ring. Wiring connections shall be made by means of SEMS screws that shall accommodate 14–22AWG wire. The detector shall contain alphanumeric markings on the exterior of the housing to identify its temperature rating and activation method. The rate-of-rise element of combination fixed temperature/rate-of-rise models shall be restorable, to allow for field-testing. The detectors shall include an external collector that shall drop upon activation to identify the unit in alarm.

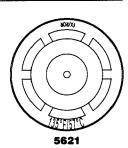
restorable, to allow for field-testing. In	ie detectors shall include an external collector that shall drop upon activation to identify the unit in alarm.
Physical/Operating Specifications	
Maximum Installation Temperature	5601P, 5603, 5621, and 5623: 100°F (38°C)
	5602, 5604, 5622, and 5624: 150°F (65.6°C)
Operating Humidity Range	5 to 95% RH non-condensing
Dimensions with mounting bracket	Diameter: 4.57 inches (11.6cm)
	Height: 1.69 inches (4.3cm)
Alarm Temperature	5601P, 5603, 5621, and 5623: 135°F (57°C)
	5602, 5604, 5622, and 5624: 194°F (90°C)
Weight	6 oz. (170 grams)
Rate-of-Rise Threshold	15°F (8.3°C) rise per minute (models 5601P, 5602, 5621, and 5622 only)
Mounting	3½-inch octagonal back box
	4-inch octagonal back box
	Single gang back box
	4-inch square back box with a square to round plaster ring
Electrical Specifications	
Operating Voltage / Contact	6–125VAC / 3A
Ratings	6-28VDC / 1A
-	125VDC / 0.3A
	250VDC / 0.1A
Input Terminals	14–22 AWG











Ordering Information

Model	Circuit	ldentification Method on Exterior	Temperature Rating	Activation	UL Protected Spacing – 10 Foot Ceiling*
5601P	Single	None	135°F (57°C)	Fixed Temperature / Rate-of-Rise	50 feet \times 50 feet (15.24m \times 15.2m)
5602	Single	Lettering	194°F (90°C)	Fixed Temperature / Rate-of-Rise	50 feet × 50 feet (15.24m × 15.2m)
5603	Single	Lettering	135°F (57°C)	Fixed Temperature	25 feet × 25 feet (7.62m × 7.62m)
5604	Single	Lettering	194°F (90°C)	Fixed Temperature	25 feet × 25 feet (7.62m × 7.62m)
5621	Dual	Lettering	135°F (57°C)	Fixed Temperature / Rate-of-Rise	50 feet × 50 feet (15.24m × 15.2m)
5622	Dual	Lettering	194°F (90°C)	Fixed Temperature / Rate-of-Rise	$50 \text{ feet} \times 50 \text{ feet (15.24m} \times 15.2\text{m)}$
5623	Dual	Lettering	135°F (57°C)	Fixed Temperature	25 feet × 25 feet (7.62m × 7.62m)
5624	Dual	Lettering	194°F (90°C)	Fixed Temperature	25 feet × 25 feet (7.62m × 7.62m)

*NOTE: Refer to NFPA72 guidelines for spacing reductions when ceiling heights exceed 10 feet.



3825 Ohio Avenue • St. Charles, IL 60174 Phone: 800-SENSOR2 • Fax: 630-377-6495 www.systemsensor.com ©2013 System Sensor.

Product specifications subject to change without notice. Visit systemsensor.com for current product information, including the latest version of this data sheet.

SPDS30001 • 7/*3

Installation Instructions

ADEMCO 4193SN Serialized Interface Module (SIM)

The ADEMCO 4193SN is a serialized two-zone expander used to connect alarm sensing devices to controls that support serial number polling loop devices (i.e., Vista-40, Vista-50P, and Vista-100).

The ADEMCO 4193SN can be configured as one supervised zone (10K EOLR) and one unsupervised zone, or two unsupervised zones (normally closed devices only).

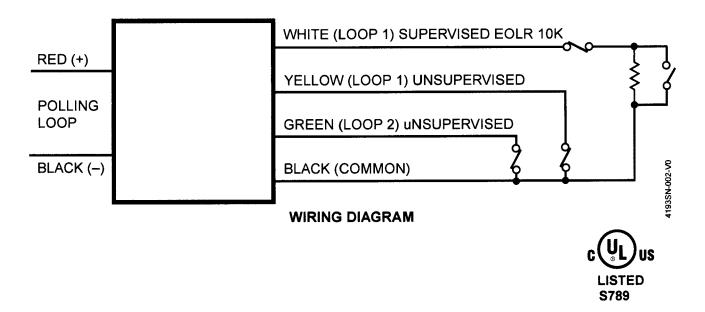
Consult the control panel installation instructions for programming information.

Electrical Specifications:

Voltage: 8-12VDC (as supplied from the ADEMCO control panel for multiplex

polling loop)

Current: 1.5mA



For Fire Applications:

The ADEMCO 4193SN must be mounted inside the control panel cabinet or inside a UL Listed junction box. Loop 1 must be used in the supervised configuration for Fire. Loop 2 may be used for Burglary.

For UL Burglary Applications:

If using an unsupervised zone of the ADEMCO 4193SN, the unit must be mounted within 3-feet of the alarm initiating device, with no intervening barriers.

VISTA-250FBP/ V250FBP-24

COMMERCIAL PARTITIONED FIRE AND BURGLARY ALARM CONTROL PANEL

Honeywell

ADDITIONAL FEATURES

- Patented addressable polling loop technology
- Supports 242 two-wire zone points
- Global polling technology for faster processing
- Supervised by panel
- Zones individually assignable to partitions, notification circuit (bell) output or auxiliary relay
- 4,000 ft. capability without the use of shielded cable
- Extender/Isolation bus modules
- Eight zone Class A and B expander module
- Eight zone Class B expander module
- One zone supervised contact monitor module

- UL Listed wireless expansion
 - Supports up to 250 wireless zones/points
 - Supervised by control for check-in signals
 - Tamper protection for transmitters
 - Individually assignable up to eight partitions
- Access Control Integration
 - Full integration with PassPoint Access Control System
- Up to 15 doors using VistaKey Access Control
- Event reporting
- Local printer of access or VISTA related events

- Communication
 - Phone mapping by zone response type
- Panel operation during download

Applications

Supported by a diverse line of Honeywell initiating devices, the VISTA-250FBP is the ideal integrated fire and burglary control for applications where a high level of security is necessary. Some examples of applications include: medical and professional buildings, supermarkets, churches, synagogues, schools, universities, strip malls, factories, warehouses, and larger residences.

Office of the Fire Marshal P.O. Box 370 Lillington, N.C. 27546 (910)-893-7580

Permit Certificate

Business Name: ABSOLUTE CARE ASSISTED LIVING BLDG 4

431 JUNNY RD Address:

BLDG 4

ANGIER, NC 27501

Phone: OFFC 919-639-6322

The following permit has been issued:

Permit No. 1850043961

Type: 045 Fire Alarm Permit

04/04/2018 **Issued Date: Effective Date:**

04/04/2018

9/4/18

Expiration Date: 10/04/2018

This permit certificate has been issued for [/] construction / [] operational purposes located at the above business location. This permit has been issued and will be enforced in accordance with section 105 of the N.C. State Fire Prevention Code. Please contact our office for any further questions regarding this permit.

Inspector:

Rodney Keith Daniels

Date

	Location: Account #: Model: Engineer:		cility informati		Care Bidg. 4		Enter Stand	iby and Alarm Tir Standby (hours): ration (minutes):		Bankey Configurary Factor
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	53.9	135	455 455		TRESCOLA (1947) (1948)	1700 0	0 1700.0 0 0	179 820 9	1800.9	
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12V 4 wire Smoke (Only & Currents) 12V 4 wire Smoke (Only & Currents)	0	0	0	0			0	0	0	ALC: CHIEF YEAR IN CO.
MULTI-POWER DEVICES 4208U (powered by polling loop) 4208U (powered by panel aux power)	Enter Quantity 0	How many principle of the control of								
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4208SNF [powered by power] 4208SNF [powered by pains aux power] 4208SNF [powered externally] 4208SNF (Class B to A Zone Converter) 4209U Grouped Zone Mux. Module 4209U [powered externally]	0 0 0 0	0 0 0 0	40	40	ol	ò	O	0	Ó	
1291 Poling Loop Extender AddT Device (enter quant. & currents)	0 0 0 0	0 0 0 0	0	0 0 0	0 0 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	
AUXILIARY POWERED DEVICES P524 24 volt Power Supply Module	Enter Quantity	How many manually manually manually	0	100						
17524 24 Yoft Power Supply Module 41005M (no more than one per system) 4204 Enter no. of releys used 4204CF Enter no. of releys used 4204CF Enter no. of releys used 4206 with werning speakers 51400LM Backup Deler Module	0 0 0 0	0 0 0 0	25	100 25 40 80 300			0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	

Honeywell

VISTA-250FBP/V250FBP-24

COMMERCIAL PARTITIONED FIRE AND BURGLARY ALARM CONTROL PANEL



Now UL864 9th Edition Approved

Designed to integrate seamlessly with CCTV, access control and Honeywell's full range of fire and burglary components, the new VISTA-250FBP provides the ultimate protection of life and property. The UL Listed commercial fire and burglary control panel supports up to eight partitions and up to 250 zones/points using hardwired, wireless and V-Plex*

addressable technologies. A diverse line of Honeywell initiating devices, notification circuits, communication devices, keypads, RF receivers and relays are also supported. The VISTA-250FBP has been designed to mount quickly and easily in an attack resistant cabinet, and is available in 12V and 24V models.

FEATURES

- Comes standard with eight hardwired zones, expandable to 242 V-Plex addressable points/zones or 250 wireless points/zones
- Can control eight separate areas independently (eight partitions)
- Supports commercial wireless fire and burglary devices
- Stores up to 1,000 events
- Supports V-Plex addressable VistaKey access control (up to 15 doors)
- Accommodates 150 user codes and up to 500 access card holders using VistaKey
- Two on-board notification (bell) circuits delivering 2.3A @ 12V or 3.4A @ 24V
- Automatic smoke detector sensitivity maintenance testing

- Four-wire smoke reset using onboard J2 output trigger
- Supports Dynamic Signaling for AlarmNet communicators used in conjunction with the phone line
- Supports remote control via AlarmNet Total Connect Services*
- Supports Internet Alarm Reporting*
- Notification Appliance Circuits (two):
- Programmable
- Individually silenceable
- Programmable on-board auxiliary relay
- False alarm reduction features:
- Exit error logic
- Exit delay reset
- Cross zoning
- Call waiting defeat
- Recent close report

- Hardwired zones:
- Provides eight style B hardwired zones
- Supports N.O. or N.C. sensors
- Individually assignable to any partition Up to 32 two-wire smoke detectors each on zones one and two (64 total)
- Up to 50 two-wire glassbreak detectors on zone eight
- EOLR supervised for Fire and UL burglary installations
- Listed to UL864 9th Edition
- Upload/download via Ethernet*
- Carbon Monoxide (CO) zone support

When used with AlarmNet devices.

Honeywell

SPECIFICATIONS

Electrical

- Primary power: 18VAC @ 72VA ADEMCO No. 1451
- Control Panel quiescent current draw: 300mA
- Backup battery:
 - 12VDC, 12AH min to 34,4AH max
 - Lead acid battery (gel type)
- Alarm power: 12VDC, 1.7A max for each notification (bell) circuit output Total 2.3A @ 12V
- Aux. standby pwr: 12VDC, 1A max
- Total power: 2.3A at 12VDC, 3.4A at 24VDC from all sources
- Standby time: 24 hours with 1A standby load using 34.4AH battery
- Fusing: Battery input, aux, and notification (bell) circuit outputs are protected using PTC circuit protectors.
 All outputs are power limited
- Optional 24-volt power supply, PS 24 supplies two 24 VFW, 1.7A full wave rectified, unfiltered outputs

Main Dialer

- Line seize: Double Pole
- Ringer equiv.: 0.7B
- Formats: ADEMCO Low Speed,
 ADEMCO 4+2 Express, ADEMCO High
 Speed, ADEMCO Contact ID, Sescoa
 and Radionics
- Dual phone line capability (using 5140DLM module)

Cabinet Dimensions

• 18" H X 14.5" W X 4.3" D

Environmental

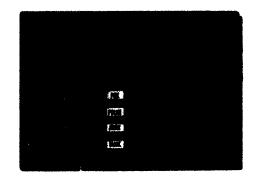
- Storage temp:
 14° F to 158° F
 (-10° C to 70° C)
- Operating temp: 32° F to 122° F (0° C to 50° C)
- Humidity: 85% RH
- EMI: Meets or exceeds the following requirements:
- FCC Part 15, Class B Device
- FCC Part 68
- IEC EMC Directive

Agency Listings

- UL609 Grade A Local Mercantile Premises and Mercantile Safe and Vault
- UL611/1610 Grades A, AA, Central Station
- UL365 Grades A, AA Police Connect
- UL864/NFPA72 Local, Central Station and Remote Station
- UL985
- Factory Mutual
- · California State Fire Marshal
- MEA
- CAN/ULC S304 Central and Monitoring Station Burglar Alarm Unit
- CAN/ULC S527 Central Unit for Fire Alarm Systems
- CAN/ULC S303 Local Burglar Alarm Unit
- CAN/ULC S525 Audible Signal Appliances

6160CR-2

COMMERCIAL FIRE ALPHA KEYPAD UL864 REV 9 LISTED



The 6160CR-2 is an addressable remote keypad intended for use in commercial fire applications with Honeywell's commercial fire control panels. The keys are continuously backlit for convenience and easy visibility. The LCD display

is backlit only when a key is depressed, or when the system is in alarm or trouble condition.

*Note: The LCD may be programmed to remain on at all times (see panel instructions for details).

FEATURES

- Four programmable function keys
- · Built-in sounder
- Seven Status LEDs
 - Armed (Red)
 - Ready (Green)
 - Power (Green)
 - Fire Alarm (Red)
 - Silenced (Yellow)
 - Supervisory (Yellow)
 - Trouble (Yellow)

- Large easy-to-read display
- Red removable door
- Physical

5.250" W x 7.437" H x 1.312" D

SPECIFICATIONS

Sounder

• High-quality speaker

Electrical

 45mA standby 160mA in alarm (sounder, back light and LED on)

Compatibility

- Supports Control Panels
 - VISTA-32FB Rev 5 and higher
 - VISTA-128FBP Rev 4 and higher
 - VISTA-250FBP Rev 4 and higher

ULCUL and residential Listed for commercial fire and burglary installations. To be employed with manufacturer's listed control units as indicated in the installation instructions.

Product specifications subject to change.

ORDERING

6160CR-2

Commercial Fire Alpha Keypad

For more information: www.honeywell.com/security/hsc

Automation and Control Solutions

Honeywell Security & Communications 2 Corporate Center Dr. Suite 100 Melville, NY 11747 1.800.467.5875 www.honeywell.com Honeywell

L/6160CR2D/D September 2009 © 2009 Honeywell International Inc.



TELGUARD

TG-7FS

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Accessories

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UL Listings

Residential









5193 Series

V-PLEX® ADDRESSABLE SMOKE DETECTOR

SPECIFICATIONS

- Heat Sensor: (Model 5193SDT/A): 135°F (57.2°C);
 Fixed Temperature Electronic Thermistors
- Operating Ambient Temperature Range: 32° to 100°F (0° to 38°C)
- Operating Humidity Range: 0 to 95% RH non-condensing
- Storage Temperature Range:
 -4° to 158°F (-20° to 70°C)

- Diameter (including base): 5.3 inches (13.46 cm)
- Height (including base): 2.0 inches (5.08 cm)
- Weight: 6.3 oz. (178.6 g)
- Agency Listing: UL 268; CAN/ULC S531
- System Voltage Range: 7-14V
- Standby Current (maximum @ 12V) LED off: 1.2mA LED on: 2.8mA

ACCESSORY (sold separately)

To measure the detector's sensitivity, the SENS-RDR Infrared Sensitivity Reader tool (sold separately) should be used. It reduces testing time, simplifies sensitivity measurements and displays them precisely in terms of percent per foot obscuration. The SENS-RDR eliminates the need for magnets, voltmeters and ladders.

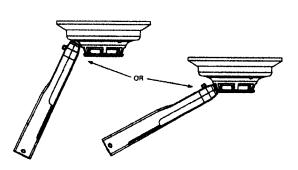


Figure 2: Position of Reader





ORDERING

5193**8**D

Addressable Photoelectric Smoke Detector

51938DT

Addressable Photoelectric Smoke Detector with Integral Heat Sensor

5193SDTA

Addressable Photoelectric Smoke Detector with Integral Heat Sensor (Canada Only)

Accessory sold separately:

SENS-RDR

Handheld Sensitivity Reader

Automation and Control Solutions Honeywell Security Products Americas 2 Corporate Center Dr. Suite 100 P.O. Box 9040

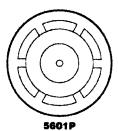
Melville, NY 11747 1.800.467.5875 www.honeywell.com

L/5193SDT/D June 2015 © 2015 Honeywell International Inc Honeywell

Specifications

Architectural/Engineering Specifications

Dhanis also and a second as	detectors and molecular external collector that arian drop upon activation to identify the unit in alarm.
Physical/Operating Specifications	
Maximum Installation Temperature	5601P, 5603, 5621, and 5623: 100°F (38°C)
	5602, 5604, 5622, and 5624, 150°F (65.6°C)
Operating Humidity Range	5 to 95% RH non-condensing
Dimensions with mounting bracket	Diameter: 4.57 inches (11.6cm)
	Height: 1.69 inches (4.3cm)
Alarm Temperature	5601P, 5603, 5621, and 5623: 135°F (57°C)
	5602, 5604, 5622, and 5624 194°F (90°C)
Weight	6 oz. (170 grams)
Rate-of-Rise Threshold	15°F (8.3°C) rise per minute (models 5601P, 5602, 5621, and 5622 only)
Mounting	31/-inch octagonal back box
	4-inch octagorial back box
	Single gang back box
	4-inch square back box with a square to round plaster ring
Electrical Specifications	
Operating Voltage / Contact	6-125VAC / 3A
Ratings	6-28VDC / 1A
	125VDC / 0.3A
	250VDC / 0.1A

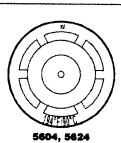


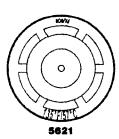
Input Terminals



14-22 AWG







Ordering Information

Model		ldentification Method	[‡] emperature		GL Protected Spacing - 10 Foot Guiling*		
	Circuit	on Exterior	Rating	As tryation			
5601P	Single	None	135°F (57°C)	Pixed Temperature / Rate-of-Rise	50 leet x 50 feet (15.24m x 15.2m)		
5602	Single	Lettering	194°F (90°C)	Fixed Temperature / Rate-of-Rise	50 feet × 50 feet (15.24m × 15.2m)		
5603	Single	Lettering	135°F (57°C)	Fixed Temperature	25 feet × 25 feet (7.62m × 7.62m)		
5604	Single	Lettering	194°F (90°C)	Fixed Temperature	25 feet × 25 feet (7.62m × 7.62m)		
5621	Dual	Lettering	135°F (57°C)	Fixed Temperature / Rate-of-Rise	50 feet × 50 feet (15.24m × 15.2m)		
5622	Dual	Lettering	194°F (90°C)	Fixed Temperature / Rate-of-Rise	50 feet × 50 feet (15.24m × 15.2m)		
5623	Dual	Lettering	135°F (57°C)	Fixed Temperature	25 feet × 25 feet (7.62m × 7.62m)		
5624	Dual	Lettering	194°F (90°C)	Fixed Temperature	25 feet × 25 feet (7.62m × 7.62m)		

*NOTE: Refer to NFPA72 guidelines for spacing reductions when ceiling heights exceed 10 feet.



3825 Ohio Avenue • St. Charles, IL 60174 Phone: 800-SENSOR2 • Fax; 630-377-6495 www.systemsensor.com

E2015 System berisor.
Product steam distance subject to pringer without nebule. Visit gymernan sor own for our wind product information including in elitate version of modular sheet. STOSPOPP in 11 is

HCEW

Office of the Fire Marshal P.O. Box 370 Lillington, N.C. 27546 (910)-893-7580

Permit Certificate

Business Name: ABSOLUTE CARE ASSISTED LIVING BLDG 4

Address: 431 JUNNY RD

The following permit has been issued:

BFDG 4

ANGIER, NC 27501

byoue: OEEC 313-6335

Permit No. 1850043961

Type: 045 Fire Alarm Permit

| issued Date: 04/04/2018

Expiration Date: 10/04/2018

This permit certificate has been issued for [] construction / [] operational purposes located

In his permit certaineste has been issued for [4] construction [5] operational purposes located at the above business location. This permit has been issued and will be enforced in accordance with section 105 of the N.C. State Fire Prevention Code. Please contact our office for any further questions regarding this permit.

Date

Inspector: Rodney Keith Danlels

Installation Instructions

ADEMCO 4193SN Serialized Interface Module (SIM)

The ADEMCO 4193SN is a serialized two-zone expander used to connect alarm sensing devices to controls that support serial number polling loop devices (i.e., Vista-40, Vista-50P, and Vista-100).

The ADEMCO 4193SN can be configured as one supervised zone (10K EOLR) and one unsupervised zone, or two unsupervised zones (normally closed devices only).

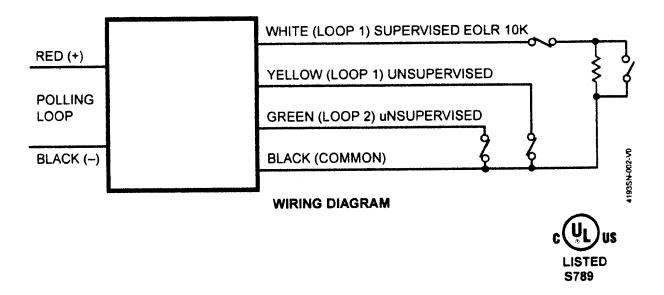
Consult the control panel installation instructions for programming information.

Electrical Specifications:

Voltage: 8-12VDC (as supplied from the ADEMCO control panel for multiplex

polling loop)

Current: 1.5mA



For Fire Applications:

The ADEMCO 4193SN must be mounted inside the control panel cabinet or inside a UL Listed junction box. Loop 1 must be used in the supervised configuration for Fire. Loop 2 may be used for Burglary.

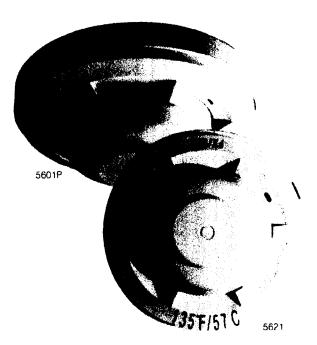
For UL Burglary Applications:

If using an unsupervised zone of the ADEMCO 4193SN, the unit must be mounted within 3-feet of the alarm initiating device, with no intervening barriers.



5600 Series Mechanical Heat Detectors

System Sensor's 5600 series mechanical heat detectors offer a low-cost means for property protection against fire, and for non-life-safety installations where smoke detectors are inappropriate.



Features

- Multiple configurations for installations:
 - Single- and dual-circuit models
 - Fixed temp and combination fixed- temp/rate-of-rise 135°F or 194°F ratings.
- Plain housing for residential installations (Model 5601P)
- Easy-to-use terminal screws
- A broad range of back box mounting options.
 - Single gang
 - 3.5" and 4" Octagonal
 - 4" square with square to round plaster ring
- Reversible mounting bracket

Multiple configurations. The 5600 series offers a full-line of configurations to accommodate a broad range of applications. Both single- and dual-circuit models are available for low- and high-temperature ratings with either fixed temperature or combination fixed temperature/rate-of-rise (ROR) activation. The ROR element of the fixed/ROR models is restorable to accommodate field-testing.

Installation flexibility. To satisfy a variety of installation needs, the 5600 series easily mounts to single-gang and octagonal back boxes. And these models accommodate four-square back boxes, when used with a square to round plaster ring. The reversible mounting bracket permits both flush- and surface-mount back box installations.

Visual identification. The 5600 series provides clear markings on the exterior of the unit to ensure that the proper detector is being used. Alphanumeric characters identify the activation method as well as the temperature rating, in Fahrenheit and Celsius degrees. Fixed temperature models are identified FX, while combination fixed/rate-of-rise units are marked FX/ROR. The 5600 series also provides a post-activation indicator in the form of a collector. When the detector is activated, the collector drops from the unit, making it easy to identify the unit in alarm.

Agency Listings





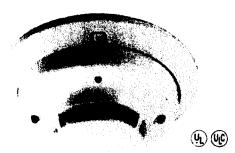




Honeywell

5193 Series

V-PLEX® ADDRESSABLE SMOKE DETECTOR



Honeywell's V-Plex Addressable Photoelectric Smoke Detectors are designed to provide open area protection and to be used with compatible UL or ULC-listed Honeywell control panels that support V-Plex technology. The detectors incorporate a state-of-the-art optical sensing chamber and an advanced microprocessor. Built-in Drift Compensation algorithms automatically maintain proper operation at factory calibrated detection levels, even when sensitivity is altered due to the presence of contaminates settling into the unit's chamber. The 5193SDT/A also features a restorable, built-in, fixed temperature (135°F/57.2°C) thermal detector.

FEATURES

- Easy Installation: Installation is simplified by the use of a mounting base that may be pre-wired to the system, allowing the detector to be easily installed or removed for maintenance or service. (See Figure 1).
- LED Status Indicators: Two LEDs (green and red) provide local visual indication of the detector's status – including normal operation, alarm, out of sensitivity and trouble conditions.
- **Test button:** This button allows the user to perform periodic testing of the detector's circuitry and verify that the detector is within the sensitivity limits.
- Versatile Mounting: Mounting is made simple with the included hardware and the large mounting ports, which accommodate drywall anchors for easy surface mounting. (See Figure 1).
- Tamper Protection and Tamper Resistance: The detector contains a built-in tamper switch that can communicate back to the control panel in the event the detector is removed from its base. For an added level of security, the detector also includes a tamper resistant element that prevents removal from the base without the use of tools. (See Figure 1).

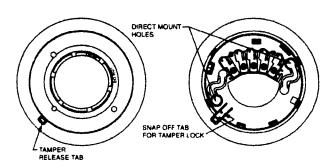


Figure 1: Tamper-Resistant Feature/Wiring



TELGUARD

TG-7FS

COMMERCIAL FIRE

PRODUCT FEATURES

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VISTA-250FBP/V250FBP-24

COMMERCIAL PARTITIONED FIRE AND BURGLARY ALARM CONTROL PANEL

COMPATIBLE DEVICES

Auxiliary Devices

- 4204 Relay Module, four form C contacts
- 4204CF Two supervised output circuits
- 5881 Series RF receiver
- 5883H RF receiver
- 6220S System printer used with 4100SM serial module
- 6160CR-2 Red Fire Keypad
- 6160 Burglary Keypad

Two-Wire Smoke Detectors Conventional

- System Sensor
- ESL
- DSC

Horn/Strobes

- System Sensor
- Wheelock
- Gentex

Manual Pull Stations

- 5140MPS-1
- 5140MPS-2

V-Plex (Addressable) Zone Expanders

• 4101SN Single Relay/Zone Module

- 4190SN Remote Point Module two zones
- 4193SN Two Zone Serial Interface Module
- 4208SNF Class A/B Expander Module
- 4208U Loop Expansion Module
 eight zones
- 4293SN One Zone Serial Interface Module

V-Plex Extender/Isolation Modules

- 4297 Extender/Isolator Module
- VSI Isolator Module

V-Plex Smoke Detectors

- 5193SD
- 5193SDT

V-Plex Passive Infrared Detectors

- 998MX
- IS2500SN
- DT7500SN

V-Plex (Addressable) Contacts

- 4939SN-WH
- 4944SN-WH
- 4959SN

V-Plex Glassbreak Detectors

• FG1625SN

Optional 24V Power Supply

PS24 – 24V power supply – 3.4A

Commercial Wireless Devices

- 5808W3 Photoelectric Smoke/Heat Detector
- 5806W3 Photoelectric Smoke Detector
- 5809 Wireless Heat Detector
- 5817CB Wireless Commercial Transmitter
- 5869 Hold up Transmitter
- 5881ENHC RF Receiver
- 5883H RF Receiver

Access Control

- VistaKey V-Plex (addressable)
 Access Control
- VistaKey-SK Starter Kit
- VistaKey-EX Expansion Kit

Alarm Communications

- 7845i-ENT Internet/Intranet Communicator
- 7845GSM Digital Cellular Communicator
- 7845i-GSM Internet and Digital Cellular Communicator
- GSMCF/iGSMCF Commercial Fire Communication Kits (when available)

Product specifications subject to change.

ORDERING

V250FBP-9 V250FBP9-24 Commercial Fire and Partitioned Burglary Alarm Control Panel 12V Model Commercial Fire and Partitioned Burglary Alarm Control Panel 24V Model

For more information: www.honeywell.com/security/hsc

Automation and Control Solutions
Honeywell Security & Communications
2 Corporate Center Dr. Suite 100
Melville, NY 11747

1.800.467.5875 www.honeywell.com L/VSTA250FBPD/D September 2009 © 2009 Honeywell International Inc Honeywell

VISTA-250FBP/ V250FBP-24

COMMERCIAL PARTITIONED FIRE AND BURGLARY ALARM CONTROL PANEL

Honeywell

ADDITIONAL FEATURES

- Patented addressable polling loop technology
- Supports 242 two-wire zone points
- Global polling technology for faster processing
- Supervised by panel
- Zones individually assignable to partitions, notification circuit (bell) output or auxiliary relay
- 4,000 ft, capability without the use of shielded cable
- Extender/Isolation bus modules
- Eight zone Class A and B expander module
- Eight zone Class B expander module
- One zone supervised contact monitor module

- UL Listed wireless expansion
- Supports up to 250 wireless zones/points
- Supervised by control for check-in signals
- Tamper protection for transmitters
- Individually assignable up to eight partitions
- Access Control Integration
- Full integration with PassPoint Access Control System
- Up to 15 doors using VistaKey Access Control
- Event reporting
- Local printer of access or VISTA related events

- Communication
- Phone mapping by zone response type
- Panel operation during download

Applications

Supported by a diverse line of Honeywell initiating devices, the VISTA-250FBP is the ideal integrated fire and burglary control for applications where a high level of security is necessary. Some examples of applications include: medical and professional buildings, supermarkets, churches, synagogues, schools, universities, strip malls, factories, warehouses, and larger residences.

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5883 hi-security receiver	0	0	80					0 0	
VA8200 Panel Linking Module	0	0	88			0		0 0	
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