



HARNETT COUNTY EMERGENCY SERVICES
 RECEIVED FOR CODE COMPLIANCE
 www.harnett.org

Robert D. S.
 CODE COMPLIANCE OFFICER

4/4/18
 DATE

Application for Plan Review

Application # 18 - 50043691

Date Received: 3/28/18 Received By: Bob P

Name of Project: Absolute Care Assisted Living / Above & Beyond Expectations

Physical Address of Project: 431 Junny Rd. / Bldg. #4
Angier, NC 27501

Plans Submitted By: Collin D. Hurley/Tyco Integrated Security

Project Phone: (919) - 337 - 9262

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: (919) - 337 - 9262

- Plans that are submitted will be reviewed as quickly as possible with an average time of review between 7-10 working days.
- Status checks may be conducted on plan reviews by visiting the website <http://htweb.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.

- 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



*JLS checked
4.5.18*

Plan Review, Inspection, and Permit Fees



Application Number :

1850043691

\$200.00	<input type="checkbox"/>	Explosive Material (90 Days)	\$	-
\$100.00	<input type="checkbox"/>	Explosive Materials (72 Hours)	\$	-
\$100.00	<input type="checkbox"/>	Fireworks Public Display	\$	-
\$50.00	<input type="checkbox"/>	Final Inspection	\$	-
\$35.00 + \$2.00 per device	<input checked="" type="checkbox"/>	Fire Alarm Testing	\$	35.00
\$35.00 + \$2.00 per nozzle	<input type="checkbox"/>	Fixed Fire Suppression	\$	-
\$75.00	<input type="checkbox"/>	Insecticide Fog/Fumigation	\$	-
\$100.00	<input type="checkbox"/>	Pipe Test/UST/AGST	\$	-
\$50.00	<input type="checkbox"/>	Plans up to 5000 sq ft	\$	-
\$100.00	<input type="checkbox"/>	Plans 5001 sq ft to 10,000 sq ft	\$	-
\$150.00	<input type="checkbox"/>	Plans 10,001 sq ft to 25,000 sq ft	\$	-
\$250.00	<input type="checkbox"/>	Plans 25,001 sq ft and over	\$	-
\$35.00 + 2.00 per head	<input type="checkbox"/>	Sprinkler Certification Test	\$	-
\$50.00	<input type="checkbox"/>	Standpipe Testing	\$	-
\$50.00	<input type="checkbox"/>	Special Assembly (ie. amusement buildings, carnivals, fairs)	\$	-
\$75.00	<input type="checkbox"/>	Tents/Canopies/Air Supported Structure	\$	-
\$100.00	<input type="checkbox"/>	Tank Installation (charge for each tank)	\$	-
\$100.00	<input type="checkbox"/>	Tank Removal (charge for each tank)	\$	-
		Total Devices/Heads	\$	-
		Total Cost	\$	35.00

Code Enforcement Official

Rodney Daniels

4/4/2018



Harnett
COUNTY
NORTH CAROLINA




Emergency Services Department

www.harnett.org

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

MAR 29 2018

Application for Plan Review

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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.

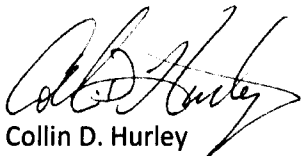
Mr. Daniels,

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

Honeywell Security

- Apply UL Power Limits (Required to maintain UL Listing including UL364)
- Commercial Fire Installation
- Commercial Burg Installation

Facility Information

Location: Absolute Care Bldg. 4
 Account #:
 Model:
 Engineer:
 Date: 3/27/2018

Enter Standby and Alarm Times

Battery Standby (hours): 24
 Alarm Duration (minutes): 5

Battery
 Consistency
 Factor

10%

Recommended
 Battery (Ah)

13.6

SELECTED PANEL MAXIMUM OUTPUT RATINGS

Select Panel from pulldown list:	Polling Loop (mA)	Standby Auxiliary Power (mA)	Alarm Auxiliary 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	Max Battery Supported by Panel
VISTA-250FBP	128	1000	1700	300	470	1700	1700	1000	2300	34.4
Calculated Current Draw								Total Standby:	Total Alarm:	
Power Budget								179	498	
Calculated Bell Draw								Standby Budget:	Alarm Budget:	
Bell Power Budget								820.9	1800.9	
External Bell Power Req'd (mA):								0.0	Ext. UL Power Req'd (mA):	0.0

KEYPADS/INTERFACES	Enter Quantity	How many powered externally?	Standby (mA)	Alarm Current (mA)	Polling Loop	Total Polling Loop	Total Standby Current	Total Alarm Current	Total External Current Required
	0	0	0	0			0	0	0
6162	1	0	40	120			40	120	0
6162V	0	0	60	190			0	0	0
6162RF	0	0	120	210			0	0	0
6139/6139R	0	0	40	100			0	0	0
6160/6160CR	0	0	45	150			0	0	0
6160CR-2	2	0	45	160			90	320	0
6160PX	0	0	40	165			0	0	0
6160RF	0	0	50	150			0	0	0
6180V	0	0	60	190			0	0	0
6164US <input type="checkbox"/> Using Relay?	0	0	55	210			0	0	0
6165EX	0	0	40	70			0	0	0
6460S	0	0	40	150			0	0	0
6460W	0	0	40	150			0	0	0
Tuxedo Family: TUXW/TUXS <input type="checkbox"/> Backlight On?	0	0	140	340			0	0	0
Tux WiFi Family: TUXWIFIW/TUXSWIFI <input type="checkbox"/> Backlight On?	0	0	140	350			0	0	0
FSA-8 Fire Zone Annunciator	0	0	35	65			0	0	0
FSA-24 Fire Zone Annunciator	0	0	35	130			0	0	0
Add'l Keypd (Enter # and Currents)	0	0	0	0			0	0	0
Add'l Keypd (Enter # and Currents)	0	0	0	0			0	0	0
Add'l Keypd (Enter # and Currents)	0	0	0	0			0	0	0
Add'l Keypd (Enter # and Currents)	0	0	0	0			0	0	0

2 WIRE & 4 WIRE SMOKE DETECTORS (except Vplex Polling Loop detectors)	Enter Quantity	How many powered externally?	Standby (mA)	Alarm Current (mA)	Polling Loop	Total Polling Loop	Total Standby Current	Total Alarm Current	Total External Current Required
2 wire smoke detector (zone powered)	0	0	0	0			0	0	0
2 wire smoke detector (zone powered)	0	0	0	0			0	0	0
2 wire smoke detector (zone powered)	0	0	0	0			0	0	0
2 wire smoke detector (zone powered)	0	0	0	0			0	0	0
12V 4 wire Smoke (Qty & Currents)	0	0	0	0			0	0	0
12V 4 wire Smoke (Qty & Currents)	0	0	0	0			0	0	0
12V 4 wire Smoke (Qty & Currents)	0	0	0	0			0	0	0
12V 4 wire Smoke (Qty & Currents)	0	0	0	0			0	0	0

MULTI-POWER DEVICES	Enter Quantity	How many powered externally?	Standby (mA)	Alarm Current (mA)	Polling Loop	Total Polling Loop	Total Standby Current	Total Alarm Current	Total External Current Required
4208U [powered by polling loop]	0	0	0	0			0	0	0
4208U [powered by panel aux power]	0	0	0	0			0	0	0
4208U [powered externally]	0	0	0	0			0	0	0
4208SN [powered by polling loop]	0	0	0	0			0	0	0
4208SN [powered by panel aux power]	0	0	0	0			0	0	0
4208SN [powered externally]	0	0	0	0			0	0	0
4208SNF [powered by polling loop]	0	0	0	0			0	0	0
4208SNF [powered by panel aux power]	0	0	0	0			0	0	0
4208SNF [powered externally]	0	0	0	0			0	0	0
4208SNF (Class B to A Zone Converter)	0	0	40	40	0	0	0	0	0
4209U Grouped Zone Mux. Module	0	0	0	0			0	0	0
4209U [powered externally]	0	0	0	0			0	0	0
4297 Polling Loop Extender	0	0	0	0			0	0	0
Add'l Device (enter quant. & currents)	0	0	0	0	0	0	0	0	0
Add'l Device (enter quant. & currents)	0	0	0	0	0	0	0	0	0
Add'l Device (enter quant. & currents)	0	0	0	0	0	0	0	0	0
Add'l Device (enter quant. & currents)	0	0	0	0	0	0	0	0	0

AUXILIARY POWERED DEVICES	Enter Quantity	How many powered externally?	Standby (mA)	Alarm Current (mA)	Polling Loop	Total Polling Loop	Total Standby Current	Total Alarm Current	Total External Current Required
PS24 24 volt Power Supply Module	0	0	0	100			0	0	0
4100SM (no more than one per system)	0	0	25	25			0	0	0
4204: Enter no. of relays used	0	0	40	40			0	0	0
4204CF: Enter no. of relays used	0	0	80	80			0	0	0
4288 with warning speakers	0	0	220	300			0	0	0
5140DLM Backup Dialer Module	1	0	5	15			5	15	0

5800RP wireless repeater module	0	0	80	80	0	0	0	0	0
5881EN receiver	0	0	60	60	0	0	0	0	0
5883 hi-security receiver	0	0	80	80	0	0	0	0	0
VAB200 Panel Linking Module	0	0	88	88	0	0	0	0	0
Add'l Device (enter quant. & currents)	0	0	0	0	0	0	0	0	0
Add'l Device (enter quant. & currents)	0	0	0	0	0	0	0	0	0
Add'l Device (enter quant. & currents)	0	0	0	0	0	0	0	0	0
Add'l Device (enter quant. & currents)	0	0	0	0	0	0	0	0	0
Communicators									
7845GSM/7845i-GSM	0	0	10	10	0	0	0	0	0
7845i/7845i-ENT	0	0	10	10	0	0	0	0	0
GSMX4G	0	0	65	250	0	0	0	0	0
GSMV4G	0	0	10	10	0	0	0	0	0
iGSMV4G	0	0	10	10	0	0	0	0	0
iPGSM-4G	0	0	0	0	0	0	0	0	0
GSMCF/iGSMCF Fire Communicator	0	0	10	10	0	0	0	0	0
Vista-GSM4G/Vista-GSM4GCN (Vista-2iP only)	0	0	10	10	0	0	0	0	0
7847i/7847i-E internet Communicator	0	0	75	75	0	0	0	0	0
Add'l Device (enter quant. & currents)	0	0	0	0	0	0	0	0	0
Add'l Device (enter quant. & currents)	0	0	0	0	0	0	0	0	0
PIR Motion Detectors (non Vplex)									
IS215T <input checked="" type="checkbox"/> LED Active?	0	0	10	7	0	0	0	0	0
IS215TCE	0	0	18	18	0	0	0	0	0
IS2260/IS2260T <input type="checkbox"/> LED Active?	0	0	4	4	0	0	0	0	0
IS2460	0	0	9	9	0	0	0	0	0
IS2900LT	0	0	25	25	0	0	0	0	0
IS2535/IS2535T	0	0	20	20	0	0	0	0	0
IS2560/IS2560T	0	0	20	20	0	0	0	0	0
IS2560TC	0	0	25	25	0	0	0	0	0
IS310/IS320 Request to Exit (RTE)	0	0	35	35	0	0	0	0	0
997 Ceiling Mount PIR <input checked="" type="checkbox"/> LED Active?	0	0	17	12	0	0	0	0	0
998 Wall Mount PIR <input type="checkbox"/> LED Active?	0	0	13	13	0	0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0	0	0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0	0	0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0	0	0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0	0	0	0	0	0
Dual Tech Motion Detectors (non Vplex)									
DT-515	0	0	20	20	0	0	0	0	0
DT-6100STC	0	0	35	35	0	0	0	0	0
DT-7235T	0	0	20	20	0	0	0	0	0
DT-7435/DT-7435C	0	0	30	30	0	0	0	0	0
DT-7450/DT-7450MIC	0	0	35	35	0	0	0	0	0
DT-7550	0	0	40	40	0	0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0	0	0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0	0	0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0	0	0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0	0	0	0	0	0

POLLING LOOP DEVICES	Enter Quantity	How many powered by 4297?	Standy (aux pwr)	Alarm Current (Aux)	Polling Loop	Total Polling Loop	Total Standby Current	Total Alarm Current	Total External Current (optional)
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 <input type="checkbox"/> 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 <input type="checkbox"/> LED Active?	0	0			1.2	0			
5192SDT Smoke w/ Heat <input type="checkbox"/> LED Active?	0	0			1.2	0			
5193SD Smoke Detector <input checked="" type="checkbox"/> LED Active?	12	0			2.8	33.6			
5193SDT Smoke w/ Heat <input type="checkbox"/> LED Active?	0	0			1.2	0			
998MX PIR <input type="checkbox"/> LED Active?	0	0			1	0			
IS2500SN PIR <input type="checkbox"/> LED Active?	0	0			1.6	0			
FG-1625SN Glass Break Detector	0	0			1	0			
Quest2260SN <input type="checkbox"/> LED Active?	0	0			6	0			
Vplex-VSI Short Isolator	0	0			5	0			
VistaKey	0	0			2	0			
Add'l VPlax (enter qnt'y & current)	0	0			0	0			
Add'l VPlax (enter qnt'y & current)	0	0			0	0			
Add'l VPlax (enter qnt'y & current)	0	0			0	0			
Add'l Vplax (enter qnt'y & current)	0	0			0	0			

12V NOTIFICATION DEVICES ON BELL OUTPUT #1	Enter Quantity	How many powered externally?	Standy (aux pwr)	Alarm Current (Aux)	Polling Loop	Total Polling Loop	Total Standby Current	Total Sounder Current from Panel Bell #1	Total Sounder Current (external)
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

12V NOTIFICATION DEVICES ON BELL OUTPUT #2 (IF USED)	Enter Quantity	How many powered externally?	Standy (aux pwr)	Alarm Current (Aux)	Polling Loop	Total Polling Loop	Total Standby Current	Total Sounder Current from Panel Bell #2	Total Sounder Current (external)
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

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.

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
- 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/GSMCF – Commercial Fire Communication Kits (when available)

Product specifications subject to change.

ORDERING

V250FBP-9

Commercial Fire and Partitioned Burglary Alarm Control Panel 12V Model

V250FBP9-24

Commercial Fire and Partitioned Burglary Alarm Control Panel 24V Model

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

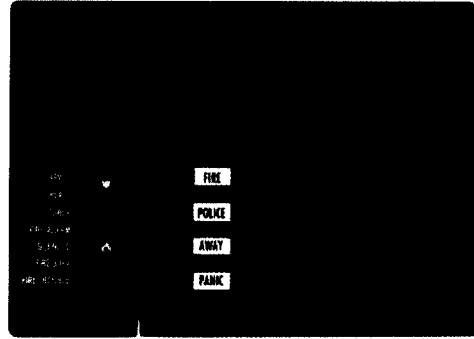
Automation and Control Solutions
Honeywell Security & Communications
2 Corporate Center Dr. Suite 100
Melville, NY 11747
1.800.467.5875
www.honeywell.com

L/VSTA250FBPD/D
September 2009
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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
- 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

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

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
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TELGUARD

TG-7FS

CELLULAR ALARM
COMMUNICATOR
FOR 3G/4G NETWORKS

COMMERCIAL FIRE

PRODUCT FEATURES

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

Provides RMR protection by leveraging technology that operates on 3G/4G networks.

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 NFPA 72, the TG-7FS can serve as the sole 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 for 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

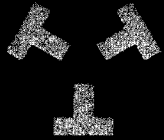
Telguard makes adopting cellular easy with a secure Internet portal. The straightforward web interface allows security dealers and central stations to quickly and efficiently access Telguard based services 24/7. This advanced tool has multi-level user authorization and provides total account management 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 3G/4G 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

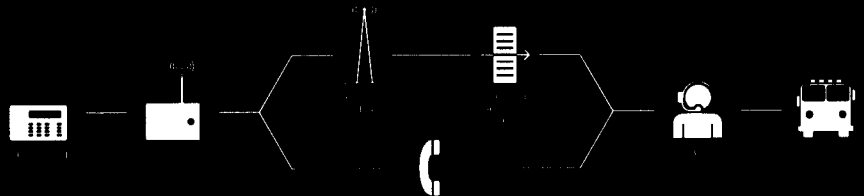
- 3G cellular radio.
- GSM 850MHz: Class 4 (2 watts).
- GSM 1900MHz: Class 1 (1 watt).
- UMTS WCDMA FDD 850/1900MHz.
- Antenna: 9" dipole with 2dBi gain, 12 ft of cable and universal mounting bracket.
- FCC part 15, 22, 24 and 68 compliant.

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 UL Listed.

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.
- FXD-0: External antenna.

UL Listings

364 • Control units & accessories for fire alarm systems.

365 • Police Station connected burglar alarm units and systems.

610 • Central station burglar alarm units.

Line security services.

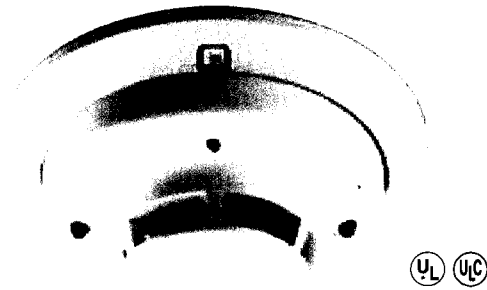
989 • Household fire warning systems.

* For the most current product listings, visit us at www.telguard.com



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 contaminants 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).

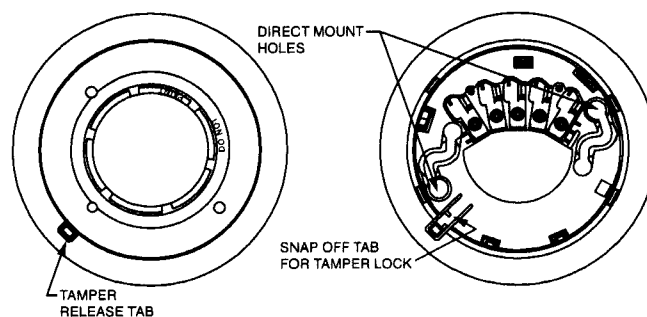
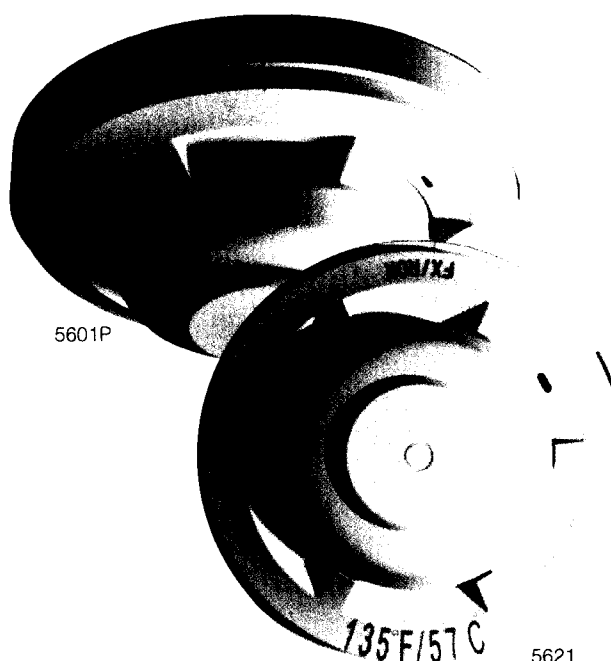


Figure 1: Tamper-Resistant Feature/Wiring



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.

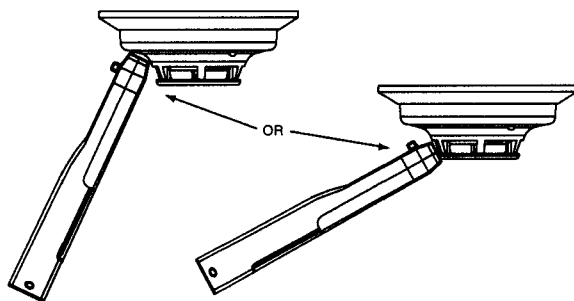
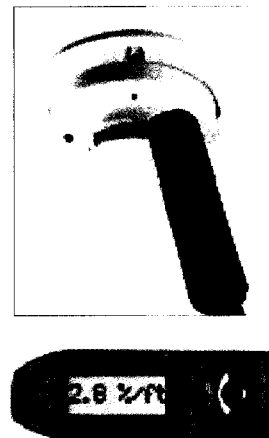


Figure 2: Position of Reader



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

L/5193SDT/D
June 2015
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Honeywell

Specifications

Architectural/Engineering Specifications

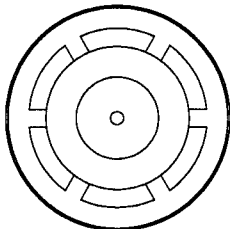
Mechanical heat detector shall be a System Sensor 5600 series model number _____, listed to Underwriters Laboratories UL 521 for Heat Detectors for Fire Protective Signaling Systems. The detector shall be either a single-circuit or a dual-circuit type, normally open. The detector shall be rated for activation 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.

Physical/Operating Specifications

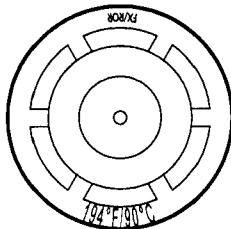
Maximum Installation Temperature	5601P, 5603, 5621, and 5623: 100°F (38°C) 5602, 5604, 5622, and 5624: 150°F (65.6°C)
Operating Humidity Range	5 to 95% RH non-condensing
Dimensions with mounting bracket	Diameter: 4.57 inches (11.6cm) Height: 1.69 inches (4.3cm)
Alarm Temperature	5601P, 5603, 5621, and 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

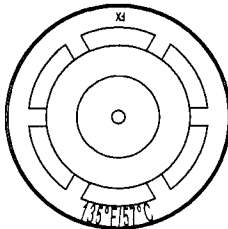
Operating Voltage / Contact Ratings	6–125VAC / 3A 6–28VDC / 1A 125VDC / 0.3A 250VDC / 0.1A
Input Terminals	14–22 AWG



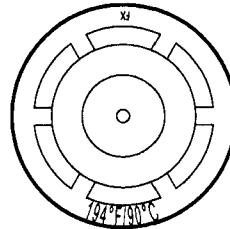
5601P



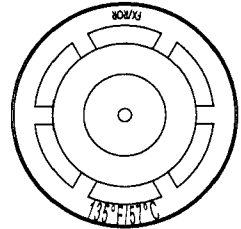
5602, 5622



5603, 5623



5604, 5624



5621

Ordering Information

Model	Circuit	Identification 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 x 50 feet (15.24m x 15.2m)
5602	Single	Lettering	194°F (90°C)	Fixed Temperature / Rate-of-Rise	50 feet x 50 feet (15.24m x 15.2m)
5603	Single	Lettering	135°F (57°C)	Fixed Temperature	25 feet x 25 feet (7.62m x 7.62m)
5604	Single	Lettering	194°F (90°C)	Fixed Temperature	25 feet x 25 feet (7.62m x 7.62m)
5621	Dual	Lettering	135°F (57°C)	Fixed Temperature / Rate-of-Rise	50 feet x 50 feet (15.24m x 15.2m)
5622	Dual	Lettering	194°F (90°C)	Fixed Temperature / Rate-of-Rise	50 feet x 50 feet (15.24m x 15.2m)
5623	Dual	Lettering	135°F (57°C)	Fixed Temperature	25 feet x 25 feet (7.62m x 7.62m)
5624	Dual	Lettering	194°F (90°C)	Fixed Temperature	25 feet x 25 feet (7.62m x 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

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Product specifications subject to change without notice. Visit systemsensor.com
for current product information, including the latest version of this data sheet.
SPDS30001 • 7/13

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).

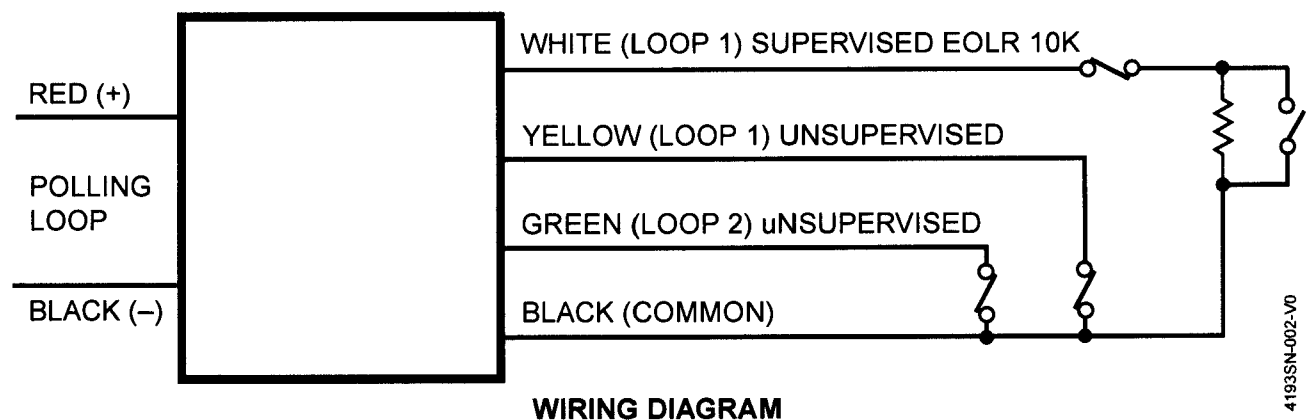
The ADEMCO 4193SN can be configured as one supervised zone (10K EOLR) and one unsupervised zone, or two unsupervised zones (normally closed devices only).

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.

HCFM

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
BLDG 4
ANGIER, NC 27501
Phone: OFFC 919-639-6322

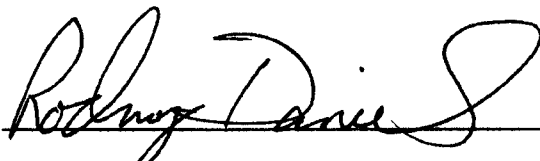
The following permit has been issued:

Permit No. 1850043961

Type: 045 Fire Alarm Permit

Issued Date: 04/04/2018
Effective Date: 04/04/2018
Expiration Date: 10/04/2018

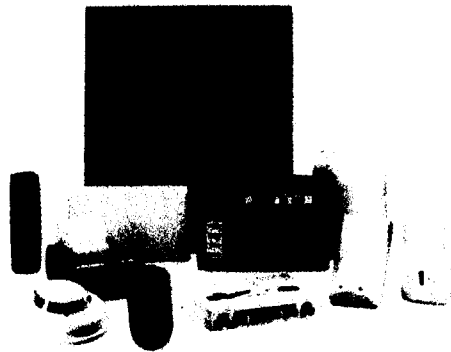
This permit certificate has been issued for construction / [] operational purposes located at the above business location. This permit has been issued and will be enforced in accordance with section 105 of the N.C. State Fire Prevention Code. Please contact our office for any further questions regarding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


Inspector: Rodney Keith Daniels
Date: 4/4/18

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.

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

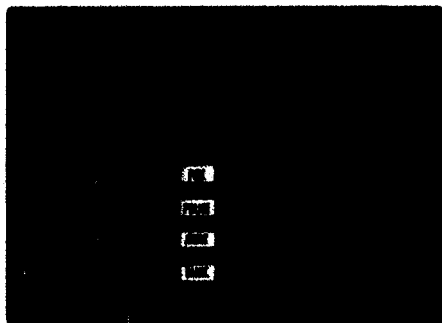
- Storage temp:
14° F to 158° F
(-10° C to 70° C)
- Operating temp:
32° F to 122° F
(0° C to 50° C)
- Humidity: 85% RH
- EMI: Meets or exceeds the following requirements:
 - FCC Part 15, Class B Device
 - FCC Part 68
 - IEC EMC Directive

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

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

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
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TELGUARD

TG-7FS

Power

- 100-watt power (100W/200W) in a normal mode
- Power from any two 120VAC outlets
- 2500mAh battery pack
- 100-watt (100W/200W) power

Radio Transceiver

- 15.6MHz range
- 400MHz-470MHz (400MHz)
- 15.6MHz (15.6MHz) 10W only
- 15.6MHz (15.6MHz) 10W only
- 15.6MHz (15.6MHz) 10W only
- 15.6MHz (15.6MHz) 10W only
- 15.6MHz (15.6MHz) 10W only

Physical Details

- 15.6MHz (15.6MHz) 10W only
- 15.6MHz (15.6MHz) 10W only
- 15.6MHz (15.6MHz) 10W only
- 15.6MHz (15.6MHz) 10W only

Standard Features

- 15.6MHz (15.6MHz) 10W only
- 15.6MHz (15.6MHz) 10W only
- 15.6MHz (15.6MHz) 10W only
- 15.6MHz (15.6MHz) 10W only
- 15.6MHz (15.6MHz) 10W only
- 15.6MHz (15.6MHz) 10W only
- 15.6MHz (15.6MHz) 10W only
- 15.6MHz (15.6MHz) 10W only



15.6MHz (15.6MHz) 10W only

15.6MHz (15.6MHz) 10W only

Accessories

- 15.6MHz (15.6MHz) 10W only
- 15.6MHz (15.6MHz) 10W only
- 15.6MHz (15.6MHz) 10W only
- 15.6MHz (15.6MHz) 10W only

UL Listings

Commercial Use

15.6MHz (15.6MHz) 10W only

Commercial Use Only

15.6MHz (15.6MHz) 10W only

Residential

15.6MHz (15.6MHz) 10W only



15.6MHz (15.6MHz) 10W only

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.

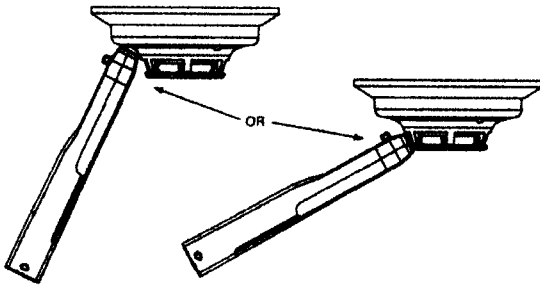


Figure 2: Position of Reader



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

L5193SDT-D
June 2015
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Honeywell

Specifications

Architectural/Engineering Specifications

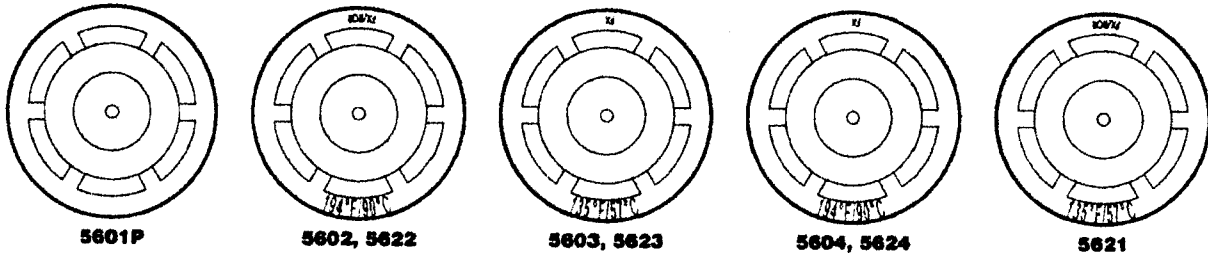
Mechanical heat detector shall be a System Sensor 5600 series model number _____, listed to Underwriters Laboratories UL 521 for Heat Detectors for Fire Protective Signaling Systems. The detector shall be either a single-circuit or a dual-circuit type, normally open. The detector shall be rated for activation 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.

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 Ratings	6–125VAC / 3A 6–28VDC / 1A 125VDC / 0.3A 250VDC / 0.1A
Input Terminals	14–22 AWG



Ordering Information

Model	Circuit	Identification 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 x 50 feet (15.24m x 15.24m)
5602	Single	Lettering	194°F (90°C)	Fixed Temperature / Rate-of-Rise	50 feet x 50 feet (15.24m x 15.24m)
5603	Single	Lettering	135°F (57°C)	Fixed Temperature	25 feet x 25 feet (7.62m x 7.62m)
5604	Single	Lettering	194°F (90°C)	Fixed Temperature	25 feet x 25 feet (7.62m x 7.62m)
5621	Dual	Lettering	135°F (57°C)	Fixed Temperature / Rate-of-Rise	50 feet x 50 feet (15.24m x 15.24m)
5622	Dual	Lettering	194°F (90°C)	Fixed Temperature / Rate-of-Rise	50 feet x 50 feet (15.24m x 15.24m)
5623	Dual	Lettering	135°F (57°C)	Fixed Temperature	25 feet x 25 feet (7.62m x 7.62m)
5624	Dual	Lettering	194°F (90°C)	Fixed Temperature	25 feet x 25 feet (7.62m x 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

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

Permit Certificate

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

Business Name: ABSOLUTE CARE ASSISTED LIVING BLDG 4

Address: 431 JUNNY RD

BLDG 4
ANGIER, NC 27501

Phone: OFFC 919-639-6322

The following permit has been issued:

Permit No. 1850043961

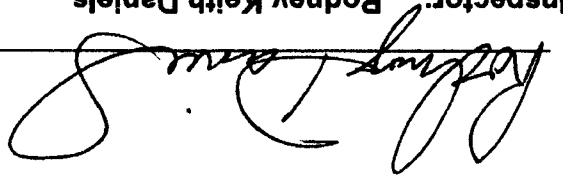
Type: 045 Fire Alarm Permit

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



4/9/18

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).

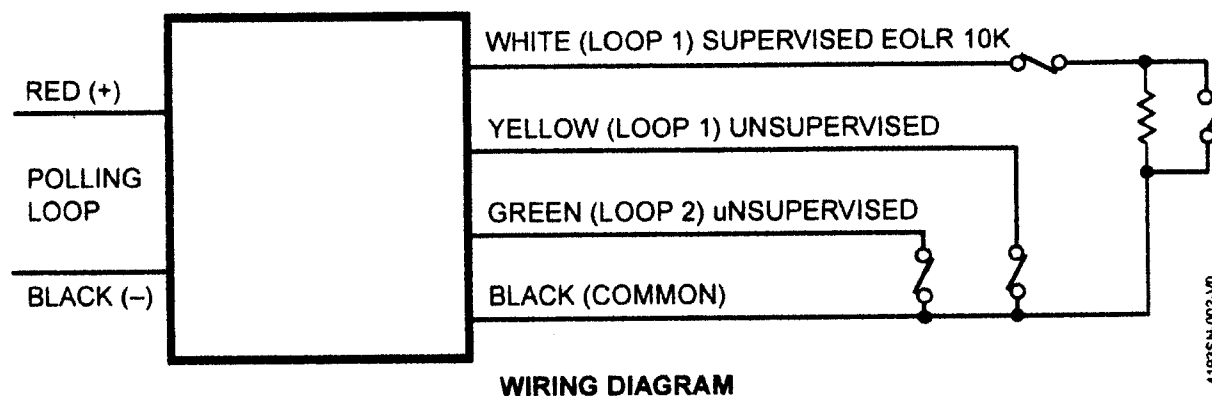
The ADEMCO 4193SN can be configured as one supervised zone (10K EOLR) and one unsupervised zone, or two unsupervised zones (normally closed devices only).

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.

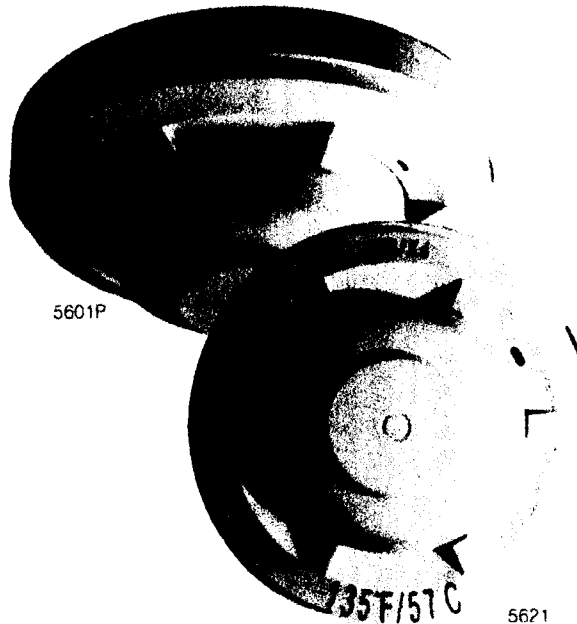
For UL Burglary Applications:

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.

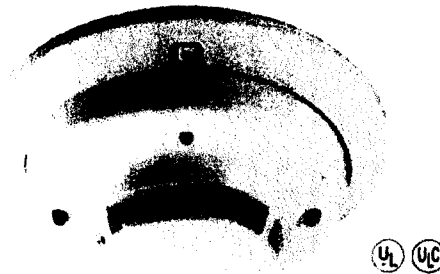
Visual identification. The 5600 series provides clear markings on the exterior of the unit to ensure that the proper detector is being used. Alphanumeric characters identify the activation method as well as the temperature rating, in Fahrenheit and Celsius degrees. Fixed temperature models are identified 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



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 contaminants 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).

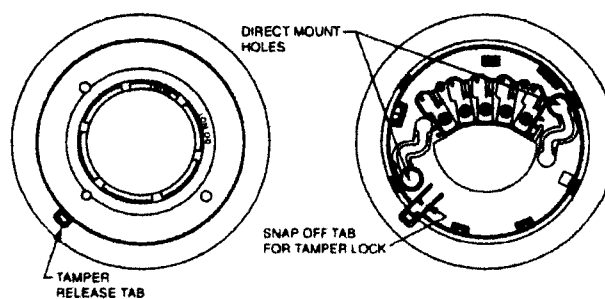


Figure 1: Tamper-Resistant Feature/Wiring



TG-7FS

Commercial fire alarm system
with 7FS fire alarm control panel
and 7FS fire alarm pull stations

COMMERCIAL FIRE

PRODUCT FEATURES

Meets the need for a fire alarm system that is easy to install, easy to maintain and easy to use.

Complies with fire alarm code requirements for commercial buildings.

Easy to install and maintain with no programming required.

Meets the needs of commercial buildings with a fire alarm system that is easy to install, easy to maintain and easy to use.

Meets the needs of commercial buildings with a fire alarm system that is easy to install, easy to maintain and easy to use.

The TG-7FS fire alarm system is a complete fire alarm system that is easy to install, easy to maintain and easy to use. It meets the needs of commercial buildings with a fire alarm system that is easy to install, easy to maintain and easy to use.

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The TG-7FS fire alarm system is a complete fire alarm system that is easy to install, easy to maintain and easy to use. It meets the needs of commercial buildings with a fire alarm system that is easy to install, easy to maintain and easy to use.

Telguard Online

Telguard Online is a web-based fire alarm system that is easy to install, easy to maintain and easy to use. It meets the needs of commercial buildings with a fire alarm system that is easy to install, easy to maintain and easy to use.

Telguard Cellular Service

Telguard Cellular Service is a cellular-based fire alarm system that is easy to install, easy to maintain and easy to use. It meets the needs of commercial buildings with a fire alarm system that is easy to install, easy to maintain and easy to use.

Advanced Reliability

Advanced Reliability is a fire alarm system that is easy to install, easy to maintain and easy to use. It meets the needs of commercial buildings with a fire alarm system that is easy to install, easy to maintain and easy to use.

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/GSMCF – Commercial Fire Communication Kits (when available)

Product specifications subject to change.

ORDERING

V250FBP-9

Commercial Fire and Partitioned Burglary Alarm Control Panel 12V Model

V250FBP9-24

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
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Melville, NY 11747
1.800.467.5875
www.honeywell.com

L/VSTA250FBP/D
September 2009
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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.

5800RP wireless repeater module	0	0	80	80	0	0	0	0
5861EN receiver	0	0	60	60	0	0	0	0
5883 hi-security receiver	0	0	80	80	0	0	0	0
VAB200 Panel Linking Module	0	0	88	88	0	0	0	0
Add'l Device (enter quant. & currents)	0	0	0	0	0	0	0	0
Add'l Device (enter quant. & currents)	0	0	0	0	0	0	0	0
Add'l Device (enter quant. & currents)	0	0	0	0	0	0	0	0
Add'l Device (enter quant. & currents)	0	0	0	0	0	0	0	0
7845GSM/7845i-GSM	0	0	10	10	0	0	0	0
7845i/7845i-ENT	0	0	10	10	0	0	0	0
GSMX4G	0	0	65	250	0	0	0	0
GSMV4G	0	0	10	10	0	0	0	0
iGSMV4G	0	0	10	10	0	0	0	0
IPGSM-4G	0	0	0	0	0	0	0	0
GSMCF/iGEMCF Fire Communicator	0	0	10	10	0	0	0	0
Vista-GSM4G/Vista-GSM4GCN (Vista-21P only)	0	0	10	10	0	0	0	0
7847/7847-E Injernet Communicator	0	0	75	75	0	0	0	0
Add'l Device (enter quant. & currents)	0	0	0	0	0	0	0	0
Add'l Device (enter quant. & currents)	0	0	0	0	0	0	0	0
IS215T <input checked="" type="checkbox"/> LED Active?	0	0	10	7	0	0	0	0
IS215TCE	0	0	18	18	0	0	0	0
IS2280/IS2280T <input type="checkbox"/> LED Active?	0	0	4	4	0	0	0	0
IS2460	0	0	9	9	0	0	0	0
IS2500LT	0	0	25	25	0	0	0	0
IS2535/IS2535T	0	0	20	20	0	0	0	0
IS2560/IS2560T	0	0	20	20	0	0	0	0
IS2560TC	0	0	25	25	0	0	0	0
IS310/IS320 Request to Exit (RTE)	0	0	35	35	0	0	0	0
997 Ceiling Mount PIR <input checked="" type="checkbox"/> LED Active?	0	0	17	12	0	0	0	0
996 Wall Mount PIR <input type="checkbox"/> LED Active?	0	0	13	13	0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0	0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0	0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0	0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0	0	0	0	0
DT-516	0	0	20	20	0	0	0	0
DT-6100STC	0	0	35	35	0	0	0	0
DT-7235T	0	0	20	20	0	0	0	0
DT-7435/DT-7435C	0	0	30	30	0	0	0	0
DT-7450/DT-7450MIC	0	0	35	35	0	0	0	0
DT-7590	0	0	40	40	0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0	0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0	0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0	0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0	0	0	0	0

	Enter Quantity	How many powered externally?						
POLLING LOOP DEVICES								
4101SN Single Output Relay Module	0	0			7	0		
4180SN Two Zone SIM	0	0			2	0		
4191SN-WH	0	0			0.5	0		
4193SN Two Zone SIM	7	0			1.6	10.5		
4193SNP Two Zone SIM	0	0			1.5	0		
4200U	0	0			15.5	0		
DT7500SN <input type="checkbox"/> LED Active?	0	0			2.6	0		
4293SN	0	0			1	0		
4939SN WH/BR/GY Surf Ml Cntct	0	0			1	0		
4944SN Recessed Contact	0	0			1	0		
4945SN-WH	0	0			0.5	0		
4999SN Overhead Door Contact	0	0			0.5	0		
5192SD Smoke Detector <input type="checkbox"/> LED Active?	0	0			1.2	0		
5192BDT Smoke w/ Heat <input type="checkbox"/> LED Active?	0	0			1.2	0		
5193SD Smoke Detector <input checked="" type="checkbox"/> LED Active?	12	0			2.8	33.6		
5193SDT Smoke w/ Heat <input type="checkbox"/> LED Active?	0	0			1.2	0		
996MK PIR <input type="checkbox"/> LED Active?	0	0			1	0		
IS2500SN PIR <input type="checkbox"/> LED Active?	0	0			1.6	0		
FG-1825SN Glass Break Detector	0	0			1	0		
Quest2260SN <input type="checkbox"/> LED Active?	0	0			6	0		
Vplex-VSI Short Isolator	0	0			5	0		
Vistakey	0	0			2	0		
Add'l Vplex (enter only & current)	0	0			0	0		
Add'l Vplex (enter only & current)	0	0			0	0		
Add'l Vplex (enter only & current)	0	0			0	0		
Add'l Vplex (enter only & current)	0	0			0	0		

12V NOTIFICATION DEVICES ON BELL OUTPUT #1	Enter Quantity	How many powered externally?	Alarm Current (Amps)				
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

12V NOTIFICATION DEVICES ON BELL OUTPUT #2 (IF USED)	Enter Quantity	How many powered externally?	Alarm Current (Amps)				
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