INTRUSION ALARM SYSTEM STANDARD

PART 1 - GENERAL

1.01   General and Special Conditions

A.   This intrusion alarm standard is intended to be used by the architect/intrusion alarm designer of record for the development of detailed intrusion alarm drawings, product data sheets and specifications.   This standard should also be followed by the installing contractor, as applicable during the submittal, construction, testing, closeout and warranty phases of the project. The architect/designer's drawings shall be the only drawings developed and used for the intrusion system installation through the entire duration of the project. Architects shall utilize an Intrusion Consultant, approved by the district, to produce intrusion alarm system construction documents. No Contractor drawings shall be developed.   It is recommended that the architect/designer work closely with the Bosch certified vendor to develop detailed drawings for the project.

Prior to initial design of the intrusion alarm system by the architect/ intrusion designer, a pre-design meeting shall be scheduled with the OUSD project team. The project team may consist of OUSD's architect, OUSD's intrusion alarm consultant; Bosch certified vendor, OUSD's Building and Grounds (B&G) Alarm Staff, and OUSD's project manager. It is also recommended that representatives from Bosch be involved in the initial design.

B.   A mandatory job walk with the architect/intrusion designer and the OUSD project team shall be required prior to the start of the design to review the existing intrusion system and determine the replacement or upgrade of the existing system.   It is also recommended but not mandated that the OUSD Bosch vendor attend the job walk to confer on existing devices and equipment to be reused for compatibility.

C.   As part of the design, consideration shall be made to upgrade or expand the school's existing intrusion system for conformity.

D.   On all school repaving projects of playgrounds, drive ways, etc.; after placement of rock, and prior to paving activity the intrusion alarm control unit status shall be verified with OUSD's Alarm Center District representative before the paving starts.   If there is evidence of a problem (underground conduit and wire damaged during the demolition of the existing pavement), corrections shall be made and verified prior to starting the paving activity. Existing structures without fire/intrusion alarm protection connected to the main building fire/intrusion alarm system shall have 2-inch underground conduit installed as part of the repaving project.   This is to be coordinated with the OUSD representative.

E.   Prior to the final design set being submitted to DSA, OUSD requires review of final design documents by the OUSD's project team. Any comments generated by the OUSD project team shall be addressed by the architect/designer and if requested, the drawings shall be resubmitted to OUSD project team for back check, prior to submitting to DSA.   Any comments made by DSA shall be reviewed by OUSD's project team prior to back-check to DSA.

F.   Vendors shall be Bosch Certified with a Bosch Certificate of Training issued by Bosch, licensed by the Board of Consumer Affairs and must meet the District's pre-qualification requirements in the same manner as Electrical Contractors working with the OUSD

representative. Proof of Bosch certification shall be provided to the District Project Manager and forwarded to the OUSD Alarm Department.

G.   A Bosch-certified technician with a Bosch Certificate of Training issued by Bosch shall supervise the installation acceptable to the OUSD.

H.   Any Contractor responsible for programming the Bosch panels must have Bosch's most current RPS program and must be certified on the new software and panel.

I.   Any company hired by the General Contractor to program the District's Bosch systems must attend required project meetings and have all required equipment to properly program and test the system with the First Alarm and OUSD Alarm Center Receiver. OUSD does not loan or provide parts needed on a project for any reason.

J.   When working or expanding on an existing intrusion system, prior to start of work, the Contractor shall contact the B&G Alarm Center through the Project Manager to verify the current status and state of the existing system before start of work. B&G Alarm Center shall send an email to the Project Manager with information on the status of the system for project records. The Project Manager shall provide this information to the Contractor who shall not be held responsible for any repairs that are required prior to start of work. The repairs shall be corrected by OUSD. If there are problems found during or after the start of work, and the Contractor has not contacted B&G Alarm Center prior to start of work, the Contractor shall be responsible for all repairs needed, including time for OUSD's B&G personnel to repair the problem.

K.   Any existing intrusion panels shall not be accessed by the Contractor until it is identified and confirmed by B&G that it is an OUSD owned panel.

L.   When a Radionics 8112 Panel is being replaced with a Bosch D9412GV4, Version 1, OUSD requires all zones connected to the new dialer be tested to both Central Station and OUSD Alarm Receiver when the replacement has been completed. All existing devices that are being transferred shall be tested to both receivers.

M.   Project Managers shall provide to the Alarm Center a user list for Intrusion Codes prior to going on line.

N.   Construction trailers on site requiring alarm monitoring equipment or cameras connected to a Central Station must have their own private Alarm Permit registered with the Oakland Police Department and under their own name. The use of Oakland Unified School District as the registered name is prohibited.

    1.   The Contractor shall provide the OUSD Project Manager with the Alarm Permit Number, Alarm Company name and number and Central Station phone numbers.

    2.   Any false alarm fines billed to Oakland Unified School District caused by the alarm equipment installed while on site are to be paid immediately by the Contractor.

O.   False Alarm Prevention Program information is provided in Appendix B for the contractors to use as reference for training to minimize false alarms.

1.02   Submittals

A.   General:

1.   The OUSD project team shall review the design drawings for conformance with this Standard. If the design is found not to conform to the requirements of this standard; the architect/intrusion designer shall be required to resubmit with modifications.

2.   All equipment shall be installed in accordance with the manufacturer's recommendations and the UL listing limitations. The architect/intrusion alarm designer shall provide evidence with the submittal of listings of all proposed equipment and combinations of equipment.

3.   The Bosch vendor shall be consulted to confirm all model numbers of proposed equipment are still valid.

B.   Equipment List/Product Data:

1.   Prior to DSA submittal, the architect/engineer shall submit a minimum of two (2) hard copies to the OUSD project team of a detailed equipment list, identifying types, models, and quantities of all materials, devices, and equipment proposed. This submittal shall include manufacturer's data sheets showing the types and models of all equipment, devices, material, and wire proposed. Evidence of UL listings shall be submitted with the data sheets.

2.   Submit full sets of product submittals bound in protective binders. A Bill of Materials shall be provided listing the part number and quantity of all components and devices. All data sheets shall be original manufacturer's literature or shall be clearly legible if copies are provided. When a manufacturer's data sheet shows more than one product(s), the proposed product shall be clearly indicated by arrows or other suitable means.

C.   Construction Documents:

1.   Prior to DSA submittal, the architect/engineer shall submit a minimum of two (2) hard copies of the construction documents to the OUSD Project Manager to be reviewed by the OUSD project team for approval. Consultant's prepared documents shall be adequate for construction without the need for contractor shop drawings.

2.   The construction documents shall include, at a minimum, the following information:

a.   A legend sheet detailing equipment model numbers, descriptions, and device quantities.

b.   Sequence of Operation for each type of device on the intrusion alarm system.

c.   School Site Plan – To include:

1) All structures on site.

2) Each system's connection(s) and show the interconnection(s) of structures on the site (clearly labeled).

3) Location of the control unit and all power supplies, and arming/disarming stations (keypads).

d. A list of all point assignments, point text and associated point index description. Provide device labels as described in Section 3.04.A.

e. Building floor plans drawn to scale, showing device locations; complete wiring and schematic diagrams, including quantity, size and type of conductors and conduit for both existing and new, wire color codes, and field terminations; control panel layouts, including all modules, circuit terminals and interconnections,; complete riser diagrams indicating wiring sequence for all devices and control equipment, including all required wiring between the control unit. Drawings shall show proposed layout and anchorage of equipment and appurtenances and equipment relationship to other parts of the work, including clearances for maintenance and operation. Prepare construction documents at a minimum scale of 1/8 inch equals 1 foot for plans.

D. Submittals must be complete. Incomplete submittals may be rejected at the discretion of the architect or OUSD's intrusion designer.

1. Submit dimensioned elevation details of control panel and power supplies. The Contractor is responsible for the actual location of the control panel and power supply in the designated room. Complete installation shop drawings, including system wiring diagrams, floor plans, and point-to-point wiring diagrams showing all conductors and terminations for all systems. Shop drawings are to be in CAD. Typical or partial diagram or point-to-points shall not be accepted.

2. Manufacturer's names, model numbers, and catalog references for all equipment supplied.

3. A complete listing of all system input and output points, and a sequence of operations for all functions of each system.

4. A complete Bill of Materials.

5. Battery calculations for all panels and remote power supplies.

6. Service information, including the address and telephone number of the nearest service representative.

1.03   Definitions

A.   Approved: Unless otherwise stated, materials, equipment or submittals approved by the Owner, Owner's Representative or IOR.

B.   Concealed: Where used in connection with installation of piping or conduit and accessories, shall mean "hidden from sight" as in shafts, furred spaces, soffits or above suspended ceilings.

C.   Contractor: The Company awarded the prime contract for this work and any of its subcontractors, vendors, suppliers or fabricators.

D.   Construction Documents: Written, graphic, and pictorial documents prepared or assembled for describing the design, location, and physical characteristics of the elements of a project necessary for obtaining a building permit.

E.   DACT: Digital Alarm Communicator Transmitter.

F.   DSA: Division of the State Architect.

G.   IACP: Intrusion Alarm Control Panel

H.   IOR: Inspector of Record.

I.   Listed: Materials or equipment included in a list published by a nationally recognized laboratory that maintains periodic inspection of production of listed equipment and material, and whose listing states either that the equipment or materials meets nationally recognized standards or has been tested and found suitable for use in a specified manner.

J.   Remove: Remove material and equipment and restore surface.

K.   UL: Underwriters' Laboratories, Inc.

L.   UL Listed: Materials or equipment listed by Underwriters' Laboratories and included in the most recent edition of the UL Fire Protection Equipment Directory.

PART 2 - PRODUCTS

2.01   Intrusion Alarm System Configuration

A.   Each and all items of the intrusion alarm system shall be listed as a single intrusion alarm system manufacturer.

B.   The OUSD Standard for the intrusion alarm equipment is as follows:

1. If a new intrusion alarm control system(s) is required, it shall be a Bosch D9412GV4, Version 1 (Version 2 is not allowed). If Version 2 is delivered and/or installed at the site, the Contractor shall be responsible for any cost incurred to replace the panel with Version 1. All Bosch D9412GV4 shall be supplied with a ROM key.

2. Manufacturer's catalog and system numbers of equipment listed in this standard indicate type, quality, and functions of the equipment required, and represent the minimum acceptable standards. Provide all compatible parts for the submitted system.

C. OUSD does not permit or approve of Glass Break Detectors or Octo-popits at any time.

D. Where any fire and intrusion alarm systems are being installed at a school site where more than 120 intrusion points are required to protect the site, the 3 Fire Points; FIRE TROUBLE and SUPERVISORY, shall be wired to the D9412GV4's on-board points 1-8 and Expanders 1 and 2 shall be used for intrusion coverage. Where there are more than 230 points necessary, the fire alarm system shall remain as a stand-alone GV4 with a separate GV4 for intrusion. This shall be determined during plan design and discussed on an individual basis at the pre-design meeting.

2.02   Manufacturers

A. Acceptable manufacturers for this project shall be Bosch. This is a proprietary item to match existing OUSD intrusion alarm standard equipment requirements. No equal shall be accepted.

B. Products shall be of the latest design; obsolete or discontinued products shall not be acceptable. All equipment supplied shall be UL listed for the required function.

2.03   Intrusion Alarm Control Equipment

A. The intrusion alarm control panel (IACP) shall be located in the electrical or janitor's room. Exact location shall be determined at the pre-design meeting and/or as determined by actual or existing conditions

B. The control panel shall provide power, annunciation, supervision and control for the motion detectors, contacts, and sounders. The Bosch model is a proprietary item. No equal shall be accepted. The panel shall be modular in construction and contain all modules necessary to operate according to this standard.

C. Provide and install Bosch D8108A attack resistant enclosure, D101 lock and key set, D110 tamper switch, D928 dual phone line module, two D161 dual modular telephone cords, two RJ31X phone jacks, two D8125 POPEX expander modules, one D8129 Octo-relay module, one DX4020 Network Interface Module, D137 mounting brackets, D1640 transformer, D8004 transformer enclosure, and D122 dual battery harness.

D. Provide all necessary internal mounting brackets, hardware, and telephone or data patch cables.

E.   Battery backup for 4 hours of standby shall be provided to power the intrusion alarm systems in the event of AC power failure. Provide a minimum of two D126 12-volt 8-amp-hour gel-cell batteries.

F.   AC & Battery power supplies monitored for "Trouble" shall have a new Point Index programmed for the trouble point.

G.   There is no Common Ground for power supplies (power supplies have a common negative). All shields must be clear of any grounds, be continuous and grounded only at the IACP.

H.   Provide point identification for all initiating devices.

I.   The LAN line, CAT 6 cable, shall be installed between the MPOE and the IACP prior to scheduling the final acceptance test.

J.   The control equipment and/or remote power supplies shall operate from a three-wire 120 VAC supply fed from a single dedicated circuit breaker. The circuit breaker shall be clearly labeled Intrusion Alarm System and shall be fitted with a clip to prevent it from being turned off. Where there is an emergency 120 VAC systems available, the intrusion alarm system and intrusion alarm auxiliary equipment shall be on the emergency panels. The location of the circuit disconnecting means shall be permanently identified at the panel.

2.04   Remote Power Supplies

A.   Remote Power Supplies

1.   Remote power supplies shall be Altronix model AL400ULPD4, 12VDC, 4 Amp, or approved equal. Provide minimum 12-volt, 7-amp-hour gel-cell batteries. Battery backup for 4 hours of standby shall be provided to power the intrusion alarm systems in the event of AC power failure.

2.   Monitor remote power supplies for AC power failure, low battery, and battery presence with individual POPITs. Monitor power supply enclosure doors with tamper switch and POPIT. Both battery and AC power loss are to be monitored by separate POPITs and alarm points.

3.   Provide and install 120-volt AC power for power supplies.

4.   Remote power supplies shall power motion detectors.

5.   Remote power supply locations shall be located in the electrical room, unless project dictated. However, mounting heights shall be between 12 inches minimum from the ceiling and 48 inches above the finished floor.

2.05   Intrusion Alarm Devices

A.   Keypad

1.   The keypad shall be Bosch D1255.

2. Keypads shall not be located in the general public areas and in non-adult supervised locations.

3. OUSD Alarm Center shall be provided with keypad locations at the site in writing.

4. No keypads shall to be installed in a common area such as public hallways where access can be made by students or unauthorized persons.

5. Keypads shall be located in a room accessible from the exterior entry points for example: Data Rooms, Offices, and Custodial Closets.

6. All keypad locations shall be reviewed and accepted in writing by OUSD prior to installation.

7. There shall be a keypad mounted to the front panel door of the D9412GV4 panel enclosure.

E. POPITs

1. POPITs shall be Bosch D9127U.

F. Door Contacts

1. Door contacts shall not be used unless there are roof hatches or boiler rooms where motion detectors are not suitable.

2. Roof hatch door contacts shall be GE Sentrol 2204A-L single pole, double throw, or approved equal. Provide proper mounting bracket for job condition (GE Sentrol 19122-L, 19102-L, 1914-M, 1914-N, or approved equal).

3. Flush door contacts shall be GE Sentrol 1076C single pole, double throw with pigtail leads or approved equal.

4. Surface door contacts shall be GE 1084TW single pole double throw with screw terminals and cover, or approved equal.

5. Door and roof hatch contacts shall be closed loop type. Contact shall open when magnet is removed.

6. Each door shall provide for point identification. Provide and install a POPIT for each exterior door or roof hatch contact.

7. Exterior door frames shall be drilled for concealed door contacts. Exterior doors shall be drilled for magnets.

8. Any intrusion devices installed in areas that have a potential to cause false alarms that are not obvious during plan review are to be re-located to areas where protection is provided and false alarms resolved at the Contractors expense.

9. Door Contacts are only allowed in Boiler Rooms, or Roof Hatches.

G.   Wall-mounted Motion Detectors

1.   Wall-mounted Motion Detectors shall be Bosch Professional Series TriTech+ with Anti-Masking Model ISC-PDL1-WA18GB with the appropriate mounting bracket; a Gimbal-mount bracket Bosch B328 for single-gang box and rotation of the detector or low profile plastic wall swivel mount bracket Bosch B335-3 for vertical pivot range of +10° to -20° and a horizontal pivot range of ±25°.

2.   Device shall provide for point identification.

3.   Use 4" square box with single gang ring for mounting rough-in.

4.   Wire guards are to be used in all public areas; multi-purpose room, gymnasium, cafeterias, locker rooms, and corridors. Wire guards shall be similar to STI-9621-WEB or STI-9623.

5.   Installation shall be as per manufacturer's specifications and documentation provided with each unit. OUSD Standards supersedes the manufacturer's installation requirements.

6.   Wall-mounted motion detectors shall be installed at 8 feet above finished floor. Motion detectors shall not be installed in locations that shall permit them to be obstructed by furnishings inside the room such as above shelving nor shall they be aimed directly at a window within its sensing range. Motion detectors shall not be located in corners, but shall be two to three feet from corners to help eliminate spiders from making webs on the detectors.

7.   Motion detectors shall not be used in boiler rooms or restrooms.

8.   Any motion detector in the path of travel to the location of the keypad shall be programmed with a 90-second ingress and egress delay.

9.   Motion detectors shall not be installed in the path of heating/ventilation vents or drafty areas where there is a possibility of temperature changes. Refer to the manufacturer's recommendations for installation information.

10.   Motion detectors in Auditoriums/Multi-purpose Rooms shall be installed so that the detectors are capable of monitoring not only the entry door, but a large portion of the Auditorium/Multi-purpose Room open area.

11.   The Contractor shall make the necessary sensitivity adjustments in the field to minimize nuisance alarms. The use of default settings is not acceptable. The Intermediate Sensitivity shall not be used unless approved in writing by OUSD.

12.   Any Bosch motion detector that offers an optional "Look Down Zone" for greater security coverage is not to be adjusted for any reason. Failure to comply with this policy will require adjustments or replacement of motion detectors at the Contractor's expense.

13.   Where there is a new addition to an existing intrusion system where there is only an "Add On":

a.   OUSD does not require the Bosch Professional Series Tri-Tech+ Detector with Anti-Masking motion detectors.

b.   Bosch ZX825 motion detectors are allowed.

c.   Spare parts for "Add On" modification projects shall be four (4) ZX835 motion detectors.

I.   Sounders

1.   System Sensor MHW mini-horn.

2.   Sounders shall be controlled via Octo-relays.

3.   Interior sounders shall be provided at locations where they can be heard from every door entry point into the building. There shall be at least one interior sounder installed with every alarm system. There shall be at least one interior sounder for every separate building or group of portables. For Portables, the Contractor shall install one MHW mini-horn in each room.

4.   Electric Sounders Philmore PS-1 shall be provided as a supplement to the mini-horns.   The use of these devices shall be determined during the pre-design meeting.

5.   These electric sounders shall be mounted on single gang or handy electrical boxes. A wall plate with a single receptacle sized for the appropriate diameter shall be provided to support the electric sounder.

PART 3 - EXECUTION

3.01   New Construction

A.   Prior to installation of the intrusion alarm system, a pre-construction meeting shall be held with the General Contractor, fire alarm sub-contractor and/or the electrical contractor, if different from the fire alarm sub-contractor, IOR, architect/engineer, and the OUSD project team.

B.   Certification shall be required for all persons who perform work as electricians for contractors licensed as Class C-10 Electrical Contractors under the Contractor's State License Board Rules and Regulations.

C.   During installation, the General Contractor shall notify the OUSD Project Manager that the system is ready for inspection by the OUSD project team at the following stages: conduit rough-in completion (before pulling wire), device connection and final acceptance. After each inspection, the OUSD project team shall issue a report on their findings. This report shall be distributed to the General Contractor, IOR, OUSD Project Manager, and OUSD project team. Any deficiencies noted in these reports shall be corrected before calling for the next subsequent inspection.

D.   The OUSD Project Manager shall complete the Alarm Permit Application form and submit the document to the OUSD Alarm Center for submittal to Oakland Police Department. (Refer to the Appendix for Alarm Permit Application)

3.02   Modifications

A.   Prior to working on the modifications of the intrusion alarm system, the Contractor shall verify the existing conditions of the system and identify any deficiencies to the OUSD Project Manager. The existing intrusion alarm system should be free and clear of troubles prior to the contractor starting work.

B.   If exterior terminal cabinets or pull boxes are to be re-used as part of the modifications, the Contractor shall review the cable connections prior to starting work to ensure the connections are free of any corrosion and the enclosure has not been compromised with moisture. Any deficiencies shall be identified to the OUSD Project Manager.

C.   All batteries for modifications utilizing existing control units shall be replaced with new batteries as part of the modification.

D.   Any and all existing equipment no longer being used after the installation of the new equipment shall be turned over to the District. Any equipment, the District elects not to retain shall be discarded by the Contractor.

E.   Any after- hours emergency B & G service calls resulting from the Contractor's work shall be back-charged to the Contractor.

F.   Any security false alarms caused by the Contractor resulting in false alarm fees from Oakland Police Department shall be back-charged to the Contractor.

3.03   Wiring and Raceway Configurations

A.   The Contractor shall follow the manufacturers' recommendation for cabling. Wire and cable sizes, number of conductors, shielding, or other data listed in this standard or if shown on Drawings are a guide to the correct product required to achieve a working system and represent minimum acceptable equipment. Contractor is responsible for calculating and then installing proper wire gauge and type for manufacturer acceptable voltage drop/signal loss/distance limitations. The size of the School campus shall determine the wire gauge of the Zonex or POPIT cables for each project. Minimum gauge shall be 18 gauge. Maximum gauge shall be 12 gauge.

B.   All intrusion alarm cables shall be installed in conduit. No intrusion alarm cables shall be exposed. No intrusion alarm cables shall share a conduit with telephone, data, or intercom cables.

C.   All cable installed in underground or under slab conduits shall be listed for outdoor use. West Penn Aqua-Seal or equal shall be used for underground raceways. The underground raceway shall be verified in the field for use and access.

D.   When an underground wet usage rated cable enters into a building, it shall be continued un-spliced until it reaches the first device or panel.

E.   When new terminal cabinets or pull boxes are used on the exterior of the building, the enclosure shall be listed for weatherproof use, and water resistant wire nuts shall be used for the cable connections. The enclosure shall be properly sealed with weatherproof gaskets to ensure no moisture shall enter into the enclosure and compromise the cable connections.

F.   There shall be no splicing of cables in underground boxes.

G.   A pull string shall be installed in all underground conduits.

H.   For each cable installed in a conduit, there shall be an additional cable of identical type (same brand and model number) installed for future system expansion.

I.   An additional 12 AWG THHN BLACK wire shall be installed from each remote equipment or power supply location directly back to the main panel to provide for a common reference point connection.

J.   All cables shall be labeled with the associated circuit number in all terminal cabinets, in the control unit, and in all remote power supplies.

K.   Cables shall be Belden, West Penn, Atlas, or equal.

L.   No cables shall be terminated at the control unit until all cables have been tested for continuity in the presence of the Bosch technician and are free of any grounds, faults or shorts.   Once the integrity of the cables has been verified, the Bosch technician shall terminate all field wiring at the control unit and power supplies. Terminal cabinets shall be terminated by the contractor.

3.04   Intrusion Device Labeling

A.   All initiating devices shall be provided with device labels, which shall indicate the device's point text and point assignment and shall be consistent with the information provided on the shop drawings. These self-adhesive labels shall be machine manufactured with 3/8" high black letters in bold Arial font on white background.

B.   Existing devices/circuits that are to be reused need to be reviewed for updated addressing in the program and corresponding physical label on the devices.

C.   The IACP shall be provided with text label to indicate the location of the initiating device in the field. The text label shall indicate the building name, floor, room number, and associated point assignment and text.

D.   If the school campus serves multiple administrative entities. The intrusion alarm program point labels shall correspond with each administrative entity that exists on the campus. The program point labels shall be prefixed with the letter corresponding to the associated administrative entity. (Example: L=Life Academy High School, U – United for Success Academy, etc.)

E.   All Health Centers that service the neighborhood shall be programmed as a separate Area.

F.   All batteries shall be labeled with the date of installation.

G.   The text label for the classroom numbers shall be coordinated with the Architectural room numbers for the project. All rooms shall be identified by a permanent room number above the door frame that shall designate the room number for the life of the building regardless of how it is identified by school staff during the years

H.   The construction documents shall provided a list of labels, which indicate the associated text

label for all of the initiating devices for the system

3.05   Field Quality Control

A.   Special coordination shall be required with the OUSD's Alarm Center regarding programming requirements prior to any programming of new or existing control panels. The Contractor shall meet with the OUSD's representatives and submit proposed labels for all input and output points in writing for OUSD review and comment prior to any programming.

B.   The Contractor shall submit to B&G a completely filled out programming sheet in printed format and in electronic format for preliminary review of proposed programming and descriptors.   The Contractor shall make any changes to the programming sheet and directed by the written review comments from B&G. (Refer to Appendix for samples of programming sheets).

1.   When programming zones to indicated locations of alarms in the "Point Text", do not program the "Point Number" or abbreviations in the point field text.

2.   OUSD requires all intrusion point index programming to use the listed assignments in the Appendix A.

3.   Once the installation has passed the FINAL test, the Contractor temporary code, SERVICE codes 123 and 12345 are to be removed from the program and/or the OUSD Alarm Department notified to remove these codes.

C.   If there are more that one of the same type of location (i.e.: Hall, Stairwell, Office, Storage, Janitor Closet, Rest Room, Counselor, Staff), the descriptor must indicate what area of which building. Programming with duplicate identical descriptor for different locations will be rejected by OUSD and the Contractor will be required to revise programming. If any programming is found to be incorrect by the Alarm Center, the Contractor's Project Manager will be notified via email. The Contractor shall correct programming before continuing with project. All programming must be approved by the Alarm Center before final testing of the alarm system can be scheduled.

D.   Programming for doors contacts, time zones, arming stations, motion sensors, tamper switches, etc. shall include text description locating initiating devices in the program with room numbers to be found on permanently mounted placards at room locations.

Example:

Point #	Label	Point Index	Point Index Description	Area
Point 143	Room B203	4	MD-Instant	2

E.   The Contractor for any intrusion installation/modifications must receive a temporary alarm code for programming through the OUSD Project Manager before any programming is done. At no time shall the Contractor extract alarm codes from the existing intrusion alarm system.

1.   If OUSD Alarm Center personnel verify that the existing codes are compromised at the site, the Contractor shall be liable for OUSD Alarm Center's programming

cost to correct the codes. An hourly rate of $26.75 with a minimum 2 hours of OUSD's Alarm Center's programming time shall be charged to the Contractor.

2. If Master District codes where all intrusion systems use the same Master District code are compromised, all intrusion system codes shall be deleted and reprogrammed by OUSD's Alarm Center. A minimum of 60 hours at the aforementioned hourly rate will be charged to the Contractor.

3. It is a violation of security standards, as well as OUSD Standards to extract any secure or confidential information through security equipment unless OUSD's Alarm Center has been contacted and has approved access for a specific reason.

4. Any Contractor that has access to OUSD's security information shall be licensed by the Board of Consumer Affairs.

5. Should a violation occur, OUSD shall file a report and formal complaint of the Contractor to the Board of Consumer Affairs of the violation in protocol.

F. Once the Contractor has programmed the system, they are to notify the OUSD's Representative at OUSD's Alarm Center in writing. Should there be any problems with either the installation of hardware and/or devices or programming errors, the Alarm Center shall notify the Project Manager to have the Contractor repair and/or correct all issues. Once complete, the Alarm Center is to be notified, so they can contact the panel and check the status. This shall be repeated until the system is clear of troubles and the Contractor can proceed with his work. Once the programming has been completed by the Contractor and has been accepted by the Alarm Center, then the Alarm Center will call up the panel and upload the program and send the zone information to the Central Station Monitoring Company for programming update on the Central Station Receiver.

G. The control panel and the program shall be the property of Oakland Unified School District and not the contractor. As such, no data lock or access codes shall be allowed with this system. Final payment cannot be made and the warranty period cannot begin until any such data lock or access codes (other than factory default codes) are removed.

H. Programming software and programming files shall belong to Oakland Unified School District. Turn over programming software and programming files before end of project. Final payment cannot be made and the warranty period cannot begin until programming software and programming files have been received by Oakland Unified School District.

I. Any wiring problems or troubleshooting assistance needs to be provided by a Bosch Certified Vendor on a prevailing wage basis obtained by the Contractor.

J. OUSD B&G Alarm Center Protocols:

1. OUSD Alarm Center and its technicians scope of work does not include assisting, advising, consulting, troubleshooting or supporting any contractor hired to do intrusion installations.

2. OUSD reserves the right to check the progress and status of all installations at anytime during the project with or without the permission of the superintendant at the site.

3.	Deliver to B&G Alarm Center in written format on Contractor's letterhead (three copies required – one for B&B, one for Contractor, and one for IOR) the scope of work including the panel type, the Contractor's project manager's name and phone number, and panel's phone numbers. Contractor responsible for ordering phones lines through B&G. Include estimate of expected test date.

4.	The Contractor shall provide the Alarm Center's phone number to all subcontractors who are in needed of having the existing alarm systems placed on test mode. The Alarm Center's normal business hours phone number is 510-535-2736 and after-hours phone number is 510-277-6249. Email address for Alarm Center contact person is tammara.cappellano@ousd.k12.ca.us.

5.	The Contractor shall submit a request in writing to the IOR for a list of authorized security code holders. The IOR shall submit this request to OUSD. OUSD shall provide in writing the full names and titles of all persons who are to have authorized security codes.

6.	Security cards shall be provided by the Alarm Center for the site Administrator and authorized staff. Security cards shall be picked up from B&G Alarm Department by the OUSD project manager for distribution to the Administrator prior to going on line.

## 3.06	Testing

A.	The OUSD project team shall be notified 72 hours prior to any and all acceptance testing of intrusion alarm systems and OUSD project team shall be scheduled to attend the testing on site or at the OUSD Alarm Department Central Station.

B.	Prior to the pre-test with the OUSD team, the Contractor shall perform a complete operational and functional test with the Bosch representative at least two weeks prior to scheduling a final acceptance test. Prior to the pre-test the intrusion alarm system shall be in a normal condition. The pre-test shall be for all intrusion alarm equipment and testing records of the pre-test shall be provided to ensure a successful final acceptance test. The scope of work as part of the project shall be 100 percent complete and shall be verified by the general contractor. If this requirement is not met and the test is terminated the cost to reschedule the inspection team shall be the responsibility of the general contractor. As part of the completion of work on the intrusion alarm systems, a full documented test of all the components of the intrusion alarm system shall be performed. A representative from the OUSD project team shall be present for the test on site or at the OUSD Alarm Department Central Station. Any deficiencies reported by the district representatives and/or district consultant shall be corrected and re-tested prior to calling for the final inspection.

C.	A report certifying that the installation is complete, pre-tested, and fully operational shall be developed and forwarded by the intrusion alarm technician to the OUSD Project Manager.

D.	The Contractor, OUSD project team, the IOR and an authorized Bosch representative shall be in attendance at the pre-test and final acceptance test to make any necessary adjustments. The test shall include, but not be limited to:

1.	Activation of all motion detectors and door contacts.

2.   Activation and visual check of every sounder.

3.   Aon FPE and/or B & G shall be present at the pre-test.

4.   Alarm Department and First Alarm shall participate in all intrusion system pre-tests to ensure signals are being received. B & G Alarm Department shall confirm signals have been received.

5.   Once the pre-test is complete, the Alarm Department shall provide the Project Manager a list of any alarm points that were not received at the Bosch Panel. These alarms shall be re-activated and must be re-transmitted to both First Alarm and the OUSD Central Station prior to scheduling the final test.

6.   If the pre-test is successful, at the discretion of the IOR, the pre-test may be considered the final acceptance test.

E.   The Contractor shall pay all overtime fees required by the IOR for witnessing the acceptance test.

F.   Punch list items should be developed at the pre-test, and completed by the final acceptance test date, providing OUSD with a 100% functional and operating system, with no residual repair issues or requirements.

G.   The Contractor's project manager shall be responsible for contacting and coordinating with Buildings and Grounds personnel.

K.   The Alarm Center shall advise the Contractor and IOR in writing (email acceptable method) once all data has been entered into the alarm system and Central Station. Only after receiving this notification shall the Contractor request a time and date for final testing.

L.   Final testing shall be performed by the Contractor in the presence of the IOR. B&G may or may not have personnel at final test.

M.   Provide property watch through the OUSD Custodial Services Department if the system is not operational at the final. If intrusion watch is required, then the Project Manager shall discuss the intrusion watch requirement with B&G to make the necessary arrangement with OUSD personnel.

N.   Testing shall not be conducted during school or custodial hours or any school functions. The building(s) must be completely unoccupied during any testing.

O.   After reviewing and approving documentation of final test submitted by the Contractor and after comparing documentation with Alarm Center's receiver and the Central Station's receiver, the Alarm Center will notify the Contractor that the alarm system is live (on line) and is ready to be handed over to B&G.

P.   At the time that a new intrusion alarm panel/dialer is installed and ready to be put online, the Contractor shall place the panel into test mode with the District's Alarm Center (phone 510-535.2736) and perform a complete walk test to confirm that the First Alarm and the OUSD B&G Alarm Department's Central Station receives all programmed points

prior to putting the system online with the Central Station. All devices shall be tested and reporting to the Central Station and the District's Alarm Center. Once confirmation that all points have been received by both First Alarm and the OUSD B&G Alarm Department's Central Station, B&G will advise First Alarm's Central Station that the system is officially online. The Contractor shall request from the OUSD Project Manager to obtain from B&G a written memo as to the time and date that the system was officially put online. A copy of this memo shall be submitted to the IOR.

Q.   On all projects where an existing intrusion alarm system is in place and new devices are added to the existing intrusion alarm system, the Contractor must provide a 100% test of all new devices.

R.   The Contractor shall pay all overtime fees required by the IOR for witnessing the acceptance test.

S.   When an existing intrusion alarm system is modified or altered, 10 percent of devices that are not directly affected by the change, up to a maximum of 50 devices, shall be tested to assure the IOR and the OUSD project team that the existing devices are functional. If any of the 10 percent devices fail, only the repaired devices need to be re-tested after they are repaired or replaced. The Contractor shall be required to test 10% of the existing devices as part of their scope.

T.   The Contractor shall provide a count to OUSD Alarm Center for the quantity of new and existing intrusion alarm devices to be tested prior to testing.

U.   If the intrusion alarm installation or modification is in "phased" stages or if there are substantial corrections and additions to the scope of the project, then the Contractor shall assume responsibility for subsequent testing and retesting of the intrusion alarm system installation. After the last phase of the intrusion alarm system has been completed and tested totally, ten percent of the previously completed phases are to be tested with the final tested phase.

V.   The Contractor's project manager shall be responsible for contacting and coordinating with Buildings and Grounds personnel.

W.   Provide an 8.5 x 11 inch site plan indicating the school name, school buildings (identified) and location of the GV4, power supplies and keypads. This site plan shall be provided to OUSD Alarm Center prior to testing.

X.   Provide complete Final Test Report of system along with Operation and Maintenance manuals, As-Built Drawings, and Warranty information. This information shall be provided before commencement of training.

3.07   Training

A.   Any Bosch Security System installations shall include training of site personnel. The training program for the Owner's personnel shall include the following:

1.   Operations and Maintenance Manuals including 11- by 17-inch as-built drawings. Operations and Maintenance Manuals shall be a binder, containing complete operating instructions, outlining step-by-step procedures required for system start up, operation, and shut down, including the manufacturer's name, model number,

service manual, parts lists, and brief description of all equipment and their basic operation features. Complete maintenance instructions listing routine maintenance procedures, possible breakdowns and repairs, trouble-shooting guide, and as-built drawings of the complete system, including conduit layout, equipment layout, device labels, and simplified wiring and control diagrams of the system. Two Operations and Maintenance Manuals shall be submitted and approved prior to conducting the training course.

2. Manuals containing listings of all points, event programs, basic programming and instructions, and software troubleshooting information.

3. Two-hour training session for site and operating personnel. The session shall cover proper operating and response procedures, including training on false alarm prevention, system operations and fire keypad operation.

4. Instructions provided by the District regarding other alarm system information such as identification label changes, code requests, service need information, Oakland Police Department's online test requirements, and the site's alarm permit number, account number, and current status are to be reviewed with the staff administrators and principals during the training session.

3.07   Warranty

A. The Contractor shall warrant all materials, equipment, and workmanship to be free of defective materials, erroneous or missing programming, and faulty workmanship for one year from written notification of acceptance by Owner. The costs of such warranty shall be part of the project cost. If repairs are necessary during the warranty period, the Contractor shall furnish all parts and labor to restore the system to normal operation at no cost to the Owner. The warranty period starts when the entire project is 100 percent completed and accepted in writing. During the warranty period, the District shall monitor the site and request service as required through the appropriate installer. One month prior to the expiration of the warranty period, the factory-trained service representative shall conduct a 100 percent test of the work performed. Any deficiencies found during that testing shall be corrected under the warranty agreement.

B. The warranty shall include all necessary material, travel, labor and parts to replace defective components or materials, and all necessary factory and field software required to perform the specified tasks.

C. The Contractor shall commence repair of any "in warranty" defects within 24 hours of notification of such defects. Warranty service shall be performed by a Bosch certified field service technician.

D. The Contractor shall provide, upon notification of a problem, a Bosch certified field service technician to correct the problem within 24 hours of notification. The Contractor shall provide loaner equipment if unable to repair faulty equipment within 48 hours of notification. The loaner equipment shall be operational within 48 hours of the original notification of a problem.

E. Any component of the intrusion alarm system that becomes defective or non-operational during the one-year warranty period shall be repaired or replaced to the satisfaction of OUSD. If repairs are not made within the one-year warranty period the defective or non-

operational component shall be repaired at the Contractor's cost and shall not fall out of warranty.

3.08   Spare Parts

A.   The following spare parts shall be furnished to OUSD:
1.   One (1) spare arming station – D1255
2.   Three (3) spare motion detectors
3.   One (1) sounder
4.   One (1) D8125 Expansion Module
5.   Two (2) spare POPITs

B.   All spare parts shall be new and not previously used.

C.   Turn over to OUSD project manager during the test of the intrusion system in factory sealed cartons.   Security cards shall be picked up from B&G by the OUSD project manager for distribution to the Contractor

3.09   As-Built Project Records

A.   Before acceptance of work and final completion, the Contractor shall provide project record "as-built" hard copy drawings and in AutoCAD format, reflecting any and all changes and deviations made to the fire alarm system during construction.   The drawings shall indicate the following:

1.   As-built physical routing of wires to devices, including junction box locations.

2.   As-built riser diagram showing the zoning of devices and sounders.

3.   As-built panel wiring diagrams of the intrusion control panel(s) and power supplies.

4.   Floor plan with final room number showing each intrusion device, notification appliance, keypad and control point with their respective address identification number (i.e., an address of (MD1-24) for Device 24 on Expansion Board 1).

5.   All electrical circuit breaker panels and circuit numbers used for the IACP and remote power supplies.

6.   The original red-lined drawings that indicate true as-builts that have been updated throughout the duration of construction shall be submitted to the fire alarm vendor for their use in creating "As-Built" drawings. These drawings shall be returned to the Contractor if requested. Retention monies shall be withheld if the original as-built drawings are not provided.

7.   The acceptance testing records.

B.   Upon completion of the work, three sets of blackline record drawings shall be submitted to OUSD.   Additionally a CD with the intrusion alarm system as-builts in AutoCAD version 2007, full-size PDF drawing files, and a scanned copy of the final test forms signed by all parties shall be submitted as part of the close-out package.

END OF INTRUSION ALARM SYSTEM STANDARD

APPENDIX A

BOSCH

Account Number :	0000
Panel Type :	D9412GV4
Account Name :	9412GV4 Template-FA & BA
Contact :	
Address :	
Voice Phone :	
Panel Phone :	

Panel Wide Parameters

PHONE and PHONE PARAMETERS	Entry
Phone 1	18005225452
Phone 1 Format	Modem IIIa2
Phone 2	18882119884
Phone 2 Format	Modem IIIa2
Phone 3	2618234
Phone 3 Format	Modem IIIa2
Phone 4	2618236
Phone 4 Format	Modem IIIa2
Point/User Flag	No
DTMF Dialing	Yes
Phone Supervision Time	0
Alarm On Fail	No
Buzz On Fail	Yes
Two Phone Lines	Yes
Expand Test Report	No

COMMUNICATOR	Route Group 1	Route Group 2	Route Group 3	Route Group 4
Primary Path Device	Phone 1	Phone 3	No Device	No Device
Backup Path Device	Phone 2	Phone 4	No Device	No Device
RG Same Network Receiver	Yes	Yes	Yes	Yes

ENHANCED COMMUNICATION	Path 1	Path 2	Path 3	Path 4
Network Address				
Port Number	7700	7700	7700	7700
Poll Rate (seconds)	0	0	0	0
ACK Wait Time	10	10	10	10
Retry Count	5	5	5	5
Enable Anti-Replay	Yes	Yes	Yes	Yes

SDI RPS / Enhanced Comm	Entry
Enable Enhanced Communication?	No
Answer RPS Over Network?	Yes
RPS Address Verification	No
RPS Network Address	
RPS Port Number	7750

POWER SUPERVISION	Entry
AC Fail Time	01:00
Resend AC Fail	No Report
AC Fail Display	60
AC Fail / Restoral Report	No
AC Tag Along	Yes
AC / Battery Buzz	No
Battery Fail / Restoral Report	Yes

PRINTER PARAMETERS	Printer Address #17	Printer Address #18	Printer Address #19
Area Assignment	1	1	1
Supervision	No	No	No
Scope	No Printer	No Printer	No Printer

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BOSCH

Account Number : 0000
Panel Type : D9412GV4
Account Name : 9412GV4 Template-FA & BA
Contact :
Address :

Voice Phone :
Panel Phone :

Panel Wide Parameters

PRINTER PARAMETERS	Printer Address #17	Printer Address #18	Printer Address #19
Area(s) in Scope	None	None	None
Fire Events	Yes	No	No
Burglar Events	Yes	No	No
Access Events	Yes	No	No
User Events	Yes	No	No
Test Events	Yes	No	No
Diagnostic Events	Yes	No	No
Auto Function Events	Yes	No	No
RPS Events	Yes	No	No
Relay Events	Yes	No	No
Point Events	Yes	No	No
User Change Events	Yes	No	No
Printer Description			

Printer Parameters - Areas in Scope	Printer Address #17	Printer Address #18	Printer Address #19
Area 1	No	No	No
Area 2	No	No	No
Area 3	No	No	No
Area 4	No	No	No
Area 5	No	No	No
Area 6	No	No	No
Area 7	No	No	No
Area 8	No	No	No
Area 9	No	No	No
Area 10	No	No	No
Area 11	No	No	No
Area 12	No	No	No
Area 13	No	No	No
Area 14	No	No	No
Area 15	No	No	No
Area 16	No	No	No
Area 17	No	No	No
Area 18	No	No	No
Area 19	No	No	No
Area 20	No	No	No
Area 21	No	No	No
Area 22	No	No	No
Area 23	No	No	No
Area 24	No	No	No
Area 25	No	No	No
Area 26	No	No	No
Area 27	No	No	No
Area 28	No	No	No
Area 29	No	No	No
Area 30	No	No	No
Area 31	No	No	No
Area 32	No	No	No

RPS PARAMETERS	Entry		MISCELLANEOUS	Entry
RPS Passcode	999999		Duress Type	0
Log % Full	0		Cancel Reports	Yes
Contact RPS if Log % Full	No		Call for Service Text	Contact your dealer

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BOSCH

Account Number : 0000
Panel Type : D9412GV4
Account Name : 9412GV4 Template-FA & BA
Contact :
Address :
Voice Phone :
Panel Phone :

Panel Wide Parameters

RPS PARAMETERS	Entry
RPS Call Back	No
RPS Line Monitor	Yes
Answer Armed	2
Answer Disarmed	2
RPS Phone #	
RPS Modem Speed	1200

MISCELLANEOUS	Entry
On-site Authorization for Firmware Update	No

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BOSCH

Account Number : 0000
Panel Type : D9412GV4
Account Name : 9412GV4 Template-FA & BA
Contact :
Address :

Voice Phone :
Panel Phone :

Skeds

SKEDS 1-10	Sked 1	Sked 2	Sked 3	Sked 4	Sked 5	Sked 6	Sked 7	Sked 8	Sked 9	Sked 10
Time Edit	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Function Code	9	0	0	0	0	0	0	0	14	13
Time	23:15	Disable	Disable	Disable	Disable	Disable	Disable	Disable	02:00	02:01
Date	Disable	Disable	Disable	Disable	Disable	Disable	Disable	Disable	11/11	3/10
Sunday	Yes	No	No	No	No	No	No	No	No	No
Monday	Yes	No	No	No	No	No	No	No	No	No
Tuesday	Yes	No	No	No	No	No	No	No	No	No
Wednesday	Yes	No	No	No	No	No	No	No	No	No
Thursday	Yes	No	No	No	No	No	No	No	No	No
Friday	Yes	No	No	No	No	No	No	No	No	No
Saturday	Yes	No	No	No	No	No	No	No	No	No
Xept On Holiday	No	No	No	No	No	No	No	No	No	No
Holiday 1	No	No	No	No	No	No	No	No	No	No
Holiday 2	No	No	No	No	No	No	No	No	No	No
Holiday 3	No	No	No	No	No	No	No	No	No	No
Holiday 4	No	No	No	No	No	No	No	No	No	No

SKEDS 11-20	Sked 11	Sked 12	Sked 13	Sked 14	Sked 15	Sked 16	Sked 17	Sked 18	Sked 19	Sked 20
Time Edit	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Function Code	0	0	0	0	0	0	0	0	0	0
Time	Disable	Disable	Disable	Disable	Disable	Disable	Disable	Disable	Disable	Disable
Date	Disable	Disable	Disable	Disable	Disable	Disable	Disable	Disable	Disable	Disable
Sunday	No	No	No	No	No	No	No	No	No	No
Monday	No	No	No	No	No	No	No	No	No	No
Tuesday	No	No	No	No	No	No	No	No	No	No
Wednesday	No	No	No	No	No	No	No	No	No	No
Thursday	No	No	No	No	No	No	No	No	No	No
Friday	No	No	No	No	No	No	No	No	No	No
Saturday	No	No	No	No	No	No	No	No	No	No
Xept On Holiday	No	No	No	No	No	No	No	No	No	No
Holiday 1	No	No	No	No	No	No	No	No	No	No
Holiday 2	No	No	No	No	No	No	No	No	No	No
Holiday 3	No	No	No	No	No	No	No	No	No	No
Holiday 4	No	No	No	No	No	No	No	No	No	No

SKEDS 21-30	Sked 21	Sked 22	Sked 23	Sked 24	Sked 25	Sked 26	Sked 27	Sked 28	Sked 29	Sked 30
Time Edit	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Function Code	0	0	0	0	0	0	0	0	0	0
Time	Disable	Disable	Disable	Disable	Disable	Disable	Disable	Disable	Disable	Disable
Date	Disable	Disable	Disable	Disable	Disable	Disable	Disable	Disable	Disable	Disable
Sunday	No	No	No	No	No	No	No	No	No	No
Monday	No	No	No	No	No	No	No	No	No	No
Tuesday	No	No	No	No	No	No	No	No	No	No
Wednesday	No	No	No	No	No	No	No	No	No	No
Thursday	No	No	No	No	No	No	No	No	No	No
Friday	No	No	No	No	No	No	No	No	No	No
Saturday	No	No	No	No	No	No	No	No	No	No
Xept On Holiday	No	No	No	No	No	No	No	No	No	No
Holiday 1	No	No	No	No	No	No	No	No	No	No
Holiday 2	No	No	No	No	No	No	No	No	No	No
Holiday 3	No	No	No	No	No	No	No	No	No	No

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BOSCH

Account Number :	0000
Panel Type :	D9412GV4
Account Name :	9412GV4 Template-FA & BA
Contact :	
Address :	
Voice Phone :	
Panel Phone :	

Skeds

SKEDS 21-30	Sked 21	Sked 22	Sked 23	Sked 24	Sked 25	Sked 26	Sked 27	Sked 28	Sked 29	Sked 30
Holiday 4	No	No	No	No	No	No	No	No	No	No

SKEDS 31-40	Sked 31	Sked 32	Sked 33	Sked 34	Sked 35	Sked 36	Sked 37	Sked 38	Sked 39	Sked 40
Time Edit	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Function Code	0	0	0	0	0	0	0	0	0	0
Time	Disable	Disable	Disable	Disable	Disable	Disable	Disable	Disable	Disable	Disable
Date	Disable	Disable	Disable	Disable	Disable	Disable	Disable	Disable	Disable	Disable
Sunday	No	No	No	No	No	No	No	No	No	No
Monday	No	No	No	No	No	No	No	No	No	No
Tuesday	No	No	No	No	No	No	No	No	No	No
Wednesday	No	No	No	No	No	No	No	No	No	No
Thursday	No	No	No	No	No	No	No	No	No	No
Friday	No	No	No	No	No	No	No	No	No	No
Saturday	No	No	No	No	No	No	No	No	No	No
Xept On Holiday	No	No	No	No	No	No	No	No	No	No
Holiday 1	No	No	No	No	No	No	No	No	No	No
Holiday 2	No	No	No	No	No	No	No	No	No	No
Holiday 3	No	No	No	No	No	No	No	No	No	No
Holiday 4	No	No	No	No	No	No	No	No	No	No

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BOSCH

Account Number :	0000
Panel Type :	D9412GV4
Account Name :	9412GV4 Template-FA & BA
Contact :	
Address :	
Voice Phone :	
Panel Phone :	

Sked Descriptions

Sked #	Sked Description
Sked 1	Test Report
Sked 2	
Sked 3	
Sked 4	
Sked 5	
Sked 6	
Sked 7	
Sked 8	
Sked 9	Adjust Time Back
Sked 10	Adjust Time Forward
Sked 11	
Sked 12	
Sked 13	
Sked 14	
Sked 15	
Sked 16	
Sked 17	
Sked 18	
Sked 19	
Sked 20	
Sked 21	
Sked 22	
Sked 23	
Sked 24	
Sked 25	
Sked 26	
Sked 27	
Sked 28	
Sked 29	
Sked 30	
Sked 31	
Sked 32	
Sked 33	
Sked 34	
Sked 35	
Sked 36	
Sked 37	
Sked 38	
Sked 39	
Sked 40	

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BOSCH

Account Number : 0000
Panel Type : D9412GV4
Account Name : 9412GV4 Template-FA & BA
Contact :
Address :

Voice Phone :
Panel Phone :

Point Assignments

POINT ASSIGNMENTS	Point Source	Point Text	Point Index	Point Index Description	Area Assign	Debounce	Relay	RFID
Point 1	Onboard		0	Unassigned	1	2	1	-
Point 2	Onboard		0	Unassigned	1	2	2	-
Point 3	Onboard		0	Unassigned	1	2	3	-
Point 4	Onboard		0	Unassigned	1	2	4	-
Point 5	Onboard		0	Unassigned	1	2	5	-
Point 6	Onboard		0	Unassigned	1	2	6	-
Point 7	Onboard		0	Unassigned	1	2	7	-
Point 8	Onboard		0	Unassigned	1	2	8	-
Point 9	Unassigned	P9	0	Unassigned	1	2	0	-
Point 10	Unassigned	P10	0	Unassigned	1	2	0	-
Point 11	Unassigned	P11	0	Unassigned	1	2	0	-
Point 12	Unassigned	P12	0	Unassigned	1	2	0	-
Point 13	Unassigned	P13	0	Unassigned	1	2	0	-
Point 14	Unassigned	P14	0	Unassigned	1	2	0	-
Point 15	Unassigned	P15	0	Unassigned	1	2	0	-
Point 16	Unassigned	P16	0	Unassigned	1	2	0	-
Point 17	Unassigned	P17	0	Unassigned	1	2	0	-
Point 18	Unassigned	P18	0	Unassigned	1	2	0	-
Point 19	Unassigned	P19	0	Unassigned	1	2	0	-
Point 20	Unassigned	P20	0	Unassigned	1	2	0	-
Point 21	Unassigned	P21	0	Unassigned	1	2	0	-
Point 22	Unassigned	P22	0	Unassigned	1	2	0	-
Point 23	Unassigned	P23	0	Unassigned	1	2	0	-
Point 24	Unassigned	P24	0	Unassigned	1	2	0	-
Point 25	Unassigned	P25	0	Unassigned	1	2	0	-
Point 26	Unassigned	P26	0	Unassigned	1	2	0	-
Point 27	Unassigned	P27	0	Unassigned	1	2	0	-
Point 28	Unassigned	P28	0	Unassigned	1	2	0	-
Point 29	Unassigned	P29	0	Unassigned	1	2	0	-
Point 30	Unassigned	P30	0	Unassigned	1	2	0	-
Point 31	Unassigned	P31	0	Unassigned	1	2	0	-
Point 32	Unassigned	P32	0	Unassigned	1	2	0	-
Point 33	Unassigned	P33	0	Unassigned	1	2	0	-
Point 34	Unassigned	P34	0	Unassigned	1	2	0	-
Point 35	Unassigned	P35	0	Unassigned	1	2	0	-
Point 36	Unassigned	P36	0	Unassigned	1	2	0	-
Point 37	Unassigned	P37	0	Unassigned	1	2	0	-
Point 38	Unassigned	P38	0	Unassigned	1	2	0	-
Point 39	Unassigned	P39	0	Unassigned	1	2	0	-
Point 40	Unassigned	P40	0	Unassigned	1	2	0	-
Point 41	Unassigned	P41	0	Unassigned	1	2	0	-
Point 42	Unassigned	P42	0	Unassigned	1	2	0	-
Point 43	Unassigned	P43	0	Unassigned	1	2	0	-
Point 44	Unassigned	P44	0	Unassigned	1	2	0	-
Point 45	Unassigned	P45	0	Unassigned	1	2	0	-
Point 46	Unassigned	P46	0	Unassigned	1	2	0	-
Point 47	Unassigned	P47	0	Unassigned	1	2	0	-
Point 48	Unassigned	P48	0	Unassigned	1	2	0	-
Point 49	Unassigned	P49	0	Unassigned	1	2	0	-
Point 50	Unassigned	P50	0	Unassigned	1	2	0	-
Point 51	Unassigned	P51	0	Unassigned	1	2	0	-
Point 52	Unassigned	P52	0	Unassigned	1	2	0	-

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BOSCH

Account Number :	0000
Panel Type :	D9412GV4
Account Name :	9412GV4 Template-FA & BA
Contact :	
Address :	
Voice Phone :	
Panel Phone :	

Point Assignments

POINT ASSIGNMENTS	Point Source	Point Text	Point Index	Point Index Description	Area Assign	Debounce	Relay	RFID
Point 53	Unassigned	P53	0	Unassigned	1	2	0	-
Point 54	Unassigned	P54	0	Unassigned	1	2	0	-
Point 55	Unassigned	P55	0	Unassigned	1	2	0	-
Point 56	Unassigned	P56	0	Unassigned	1	2	0	-
Point 57	Unassigned	P57	0	Unassigned	1	2	0	-
Point 58	Unassigned	P58	0	Unassigned	1	2	0	-
Point 59	Unassigned	P59	0	Unassigned	1	2	0	-
Point 60	Unassigned	P60	0	Unassigned	1	2	0	-
Point 61	Unassigned	P61	0	Unassigned	1	2	0	-
Point 62	Unassigned	P62	0	Unassigned	1	2	0	-
Point 63	Unassigned	P63	0	Unassigned	1	2	0	-
Point 64	Unassigned	P64	0	Unassigned	1	2	0	-
Point 65	Unassigned	P65	0	Unassigned	1	2	0	-
Point 66	Unassigned	P66	0	Unassigned	1	2	0	-
Point 67	Unassigned	P67	0	Unassigned	1	2	0	-
Point 68	Unassigned	P68	0	Unassigned	1	2	0	-
Point 69	Unassigned	P69	0	Unassigned	1	2	0	-
Point 70	Unassigned	P70	0	Unassigned	1	2	0	-
Point 71	Unassigned	P71	0	Unassigned	1	2	0	-
Point 72	Unassigned	P72	0	Unassigned	1	2	0	-
Point 73	Unassigned	P73	0	Unassigned	1	2	0	-
Point 74	Unassigned	P74	0	Unassigned	1	2	0	-
Point 75	Unassigned	P75	0	Unassigned	1	2	0	-
Point 76	Unassigned	P76	0	Unassigned	1	2	0	-
Point 77	Unassigned	P77	0	Unassigned	1	2	0	-
Point 78	Unassigned	P78	0	Unassigned	1	2	0	-
Point 79	Unassigned	P79	0	Unassigned	1	2	0	-
Point 80	Unassigned	P80	0	Unassigned	1	2	0	-
Point 81	Unassigned	P81	0	Unassigned	1	2	0	-
Point 82	Unassigned	P82	0	Unassigned	1	2	0	-
Point 83	Unassigned	P83	0	Unassigned	1	2	0	-
Point 84	Unassigned	P84	0	Unassigned	1	2	0	-
Point 85	Unassigned	P85	0	Unassigned	1	2	0	-
Point 86	Unassigned	P86	0	Unassigned	1	2	0	-
Point 87	Unassigned	P87	0	Unassigned	1	2	0	-
Point 88	Unassigned	P88	0	Unassigned	1	2	0	-
Point 89	Unassigned	P89	0	Unassigned	1	2	0	-
Point 90	Unassigned	P90	0	Unassigned	1	2	0	-
Point 91	Unassigned	P91	0	Unassigned	1	2	0	-
Point 92	Unassigned	P92	0	Unassigned	1	2	0	-
Point 93	Unassigned	P93	0	Unassigned	1	2	0	-
Point 94	Unassigned	P94	0	Unassigned	1	2	0	-
Point 95	Unassigned	P95	0	Unassigned	1	2	0	-
Point 96	Unassigned	P96	0	Unassigned	1	2	0	-
Point 97	Unassigned	P97	0	Unassigned	1	2	0	-
Point 98	Unassigned	P98	0	Unassigned	1	2	0	-
Point 99	Unassigned	P99	0	Unassigned	1	2	0	-
Point 100	Unassigned	P100	0	Unassigned	1	2	0	-
Point 101	Unassigned	P101	0	Unassigned	1	2	0	-
Point 102	Unassigned	P102	0	Unassigned	1	2	0	-
Point 103	Unassigned	P103	0	Unassigned	1	2	0	-
Point 104	Unassigned	P104	0	Unassigned	1	2	0	-
Point 105	Unassigned	P105	0	Unassigned	1	2	0	-

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BOSCH

Account Number : 0000
Panel Type : D9412GV4
Account Name : 9412GV4 Template-FA & BA
Contact :
Address :

Voice Phone :
Panel Phone :

Point Assignments

POINT ASSIGNMENTS	Point Source	Point Text	Point Index	Point Index Description	Area Assign	Debounce	Relay	RFID
Point 106	Unassigned	P106	0	Unassigned	1	2	0	-
Point 107	Unassigned	P107	0	Unassigned	1	2	0	-
Point 108	Unassigned	P108	0	Unassigned	1	2	0	-
Point 109	Unassigned	P109	0	Unassigned	1	2	0	-
Point 110	Unassigned	P110	0	Unassigned	1	2	0	-
Point 111	Unassigned	P111	0	Unassigned	1	2	0	-
Point 112	Unassigned	P112	0	Unassigned	1	2	0	-
Point 113	Unassigned	P113	0	Unassigned	1	2	0	-
Point 114	Unassigned	P114	0	Unassigned	1	2	0	-
Point 115	Unassigned	P115	0	Unassigned	1	2	0	-
Point 116	Unassigned	P116	0	Unassigned	1	2	0	-
Point 117	Unassigned	P117	0	Unassigned	1	2	0	-
Point 118	Unassigned	P118	0	Unassigned	1	2	0	-
Point 119	Unassigned	P119	0	Unassigned	1	2	0	-
Point 120	Unassigned	P120	0	Unassigned	1	2	0	-
Point 121	Unassigned	P121	0	Unassigned	1	2	0	-
Point 122	Unassigned	P122	0	Unassigned	1	2	0	-
Point 123	Unassigned	P123	0	Unassigned	1	2	0	-
Point 124	Unassigned	P124	0	Unassigned	1	2	0	-
Point 125	Unassigned	P125	0	Unassigned	1	2	0	-
Point 126	Unassigned	P126	0	Unassigned	1	2	0	-
Point 127	Unassigned	P127	0	Unassigned	1	2	0	-
Point 129	Unassigned	P129	0	Unassigned	1	2	0	-
Point 130	Unassigned	P130	0	Unassigned	1	2	0	-
Point 131	Unassigned	P131	0	Unassigned	1	2	0	-
Point 132	Unassigned	P132	0	Unassigned	1	2	0	-
Point 133	Unassigned	P133	0	Unassigned	1	2	0	-
Point 134	Unassigned	P134	0	Unassigned	1	2	0	-
Point 135	Unassigned	P135	0	Unassigned	1	2	0	-
Point 136	Unassigned	P136	0	Unassigned	1	2	0	-
Point 137	Unassigned	P137	0	Unassigned	1	2	0	-
Point 138	Unassigned	P138	0	Unassigned	1	2	0	-
Point 139	Unassigned	P139	0	Unassigned	1	2	0	-
Point 140	Unassigned	P140	0	Unassigned	1	2	0	-
Point 141	Unassigned	P141	0	Unassigned	1	2	0	-
Point 142	Unassigned	P142	0	Unassigned	1	2	0	-
Point 143	Unassigned	P143	0	Unassigned	1	2	0	-
Point 144	Unassigned	P144	0	Unassigned	1	2	0	-
Point 145	Unassigned	P145	0	Unassigned	1	2	0	-
Point 146	Unassigned	P146	0	Unassigned	1	2	0	-
Point 147	Unassigned	P147	0	Unassigned	1	2	0	-
Point 148	Unassigned	P148	0	Unassigned	1	2	0	-
Point 149	Unassigned	P149	0	Unassigned	1	2	0	-
Point 150	Unassigned	P150	0	Unassigned	1	2	0	-
Point 151	Unassigned	P151	0	Unassigned	1	2	0	-
Point 152	Unassigned	P152	0	Unassigned	1	2	0	-
Point 153	Unassigned	P153	0	Unassigned	1	2	0	-
Point 154	Unassigned	P154	0	Unassigned	1	2	0	-
Point 155	Unassigned	P155	0	Unassigned	1	2	0	-
Point 156	Unassigned	P156	0	Unassigned	1	2	0	-
Point 157	Unassigned	P157	0	Unassigned	1	2	0	-
Point 158	Unassigned	P158	0	Unassigned	1	2	0	-
Point 159	Unassigned	P159	0	Unassigned	1	2	0	-

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BOSCH

Account Number :	0000
Panel Type :	D9412GV4
Account Name :	9412GV4 Template-FA & BA
Contact :	
Address :	
Voice Phone :	
Panel Phone :	

Point Assignments

POINT ASSIGNMENTS	Point Source	Point Text	Point Index	Point Index Description	Area Assign	Debounce	Relay	RFID
Point 160	Unassigned	P160	0	Unassigned	1	2	0	-
Point 161	Unassigned	P161	0	Unassigned	1	2	0	-
Point 162	Unassigned	P162	0	Unassigned	1	2	0	-
Point 163	Unassigned	P163	0	Unassigned	1	2	0	-
Point 164	Unassigned	P164	0	Unassigned	1	2	0	-
Point 165	Unassigned	P165	0	Unassigned	1	2	0	-
Point 166	Unassigned	P166	0	Unassigned	1	2	0	-
Point 167	Unassigned	P167	0	Unassigned	1	2	0	-
Point 168	Unassigned	P168	0	Unassigned	1	2	0	-
Point 169	Unassigned	P169	0	Unassigned	1	2	0	-
Point 170	Unassigned	P170	0	Unassigned	1	2	0	-
Point 171	Unassigned	P171	0	Unassigned	1	2	0	-
Point 172	Unassigned	P172	0	Unassigned	1	2	0	-
Point 173	Unassigned	P173	0	Unassigned	1	2	0	-
Point 174	Unassigned	P174	0	Unassigned	1	2	0	-
Point 175	Unassigned	P175	0	Unassigned	1	2	0	-
Point 176	Unassigned	P176	0	Unassigned	1	2	0	-
Point 177	Unassigned	P177	0	Unassigned	1	2	0	-
Point 178	Unassigned	P178	0	Unassigned	1	2	0	-
Point 179	Unassigned	P179	0	Unassigned	1	2	0	-
Point 180	Unassigned	P180	0	Unassigned	1	2	0	-
Point 181	Unassigned	P181	0	Unassigned	1	2	0	-
Point 182	Unassigned	P182	0	Unassigned	1	2	0	-
Point 183	Unassigned	P183	0	Unassigned	1	2	0	-
Point 184	Unassigned	P184	0	Unassigned	1	2	0	-
Point 185	Unassigned	P185	0	Unassigned	1	2	0	-
Point 186	Unassigned	P186	0	Unassigned	1	2	0	-
Point 187	Unassigned	P187	0	Unassigned	1	2	0	-
Point 188	Unassigned	P188	0	Unassigned	1	2	0	-
Point 189	Unassigned	P189	0	Unassigned	1	2	0	-
Point 190	Unassigned	P190	0	Unassigned	1	2	0	-
Point 191	Unassigned	P191	0	Unassigned	1	2	0	-
Point 192	Unassigned	P192	0	Unassigned	1	2	0	-
Point 193	Unassigned	P193	0	Unassigned	1	2	0	-
Point 194	Unassigned	P194	0	Unassigned	1	2	0	-
Point 195	Unassigned	P195	0	Unassigned	1	2	0	-
Point 196	Unassigned	P196	0	Unassigned	1	2	0	-
Point 197	Unassigned	P197	0	Unassigned	1	2	0	-
Point 198	Unassigned	P198	0	Unassigned	1	2	0	-
Point 199	Unassigned	P199	0	Unassigned	1	2	0	-
Point 200	Unassigned	P200	0	Unassigned	1	2	0	-
Point 201	Unassigned	P201	0	Unassigned	1	2	0	-
Point 202	Unassigned	P202	0	Unassigned	1	2	0	-
Point 203	Unassigned	P203	0	Unassigned	1	2	0	-
Point 204	Unassigned	P204	0	Unassigned	1	2	0	-
Point 205	Unassigned	P205	0	Unassigned	1	2	0	-
Point 206	Unassigned	P206	0	Unassigned	1	2	0	-
Point 207	Unassigned	P207	0	Unassigned	1	2	0	-
Point 208	Unassigned	P208	0	Unassigned	1	2	0	-
Point 209	Unassigned	P209	0	Unassigned	1	2	0	-
Point 210	Unassigned	P210	0	Unassigned	1	2	0	-
Point 211	Unassigned	P211	0	Unassigned	1	2	0	-
Point 212	Unassigned	P212	0	Unassigned	1	2	0	-

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BOSCH

Account Number :	0000
Panel Type :	D9412GV4
Account Name :	9412GV4 Template-FA & BA
Contact :	
Address :	
Voice Phone :	
Panel Phone :	

Point Assignments

POINT ASSIGNMENTS	Point Source	Point Text	Point Index	Point Index Description	Area Assign	Debounce	Relay	RFID
Point 213	Unassigned	P213	0	Unassigned	1	2	0	-
Point 214	Unassigned	P214	0	Unassigned	1	2	0	-
Point 215	Unassigned	P215	0	Unassigned	1	2	0	-
Point 216	Unassigned	P216	0	Unassigned	1	2	0	-
Point 217	Unassigned	P217	0	Unassigned	1	2	0	-
Point 218	Unassigned	P218	0	Unassigned	1	2	0	-
Point 219	Unassigned	P219	0	Unassigned	1	2	0	-
Point 220	Unassigned	P220	0	Unassigned	1	2	0	-
Point 221	Unassigned	P221	0	Unassigned	1	2	0	-
Point 222	Unassigned	P222	0	Unassigned	1	2	0	-
Point 223	Unassigned	P223	0	Unassigned	1	2	0	-
Point 224	Unassigned	P224	0	Unassigned	1	2	0	-
Point 225	Unassigned	P225	0	Unassigned	1	2	0	-
Point 226	Unassigned	P226	0	Unassigned	1	2	0	-
Point 227	Unassigned	P227	0	Unassigned	1	2	0	-
Point 228	Unassigned	P228	0	Unassigned	1	2	0	-
Point 229	Unassigned	P229	0	Unassigned	1	2	0	-
Point 230	Unassigned	P230	0	Unassigned	1	2	0	-
Point 231	Unassigned	P231	0	Unassigned	1	2	0	-
Point 232	Unassigned	P232	0	Unassigned	1	2	0	-
Point 233	Unassigned	P233	0	Unassigned	1	2	0	-
Point 234	Unassigned	P234	0	Unassigned	1	2	0	-
Point 235	Unassigned	P235	0	Unassigned	1	2	0	-
Point 236	Unassigned	P236	0	Unassigned	1	2	0	-
Point 237	Unassigned	P237	0	Unassigned	1	2	0	-
Point 238	Unassigned	P238	0	Unassigned	1	2	0	-
Point 239	Unassigned	P239	0	Unassigned	1	2	0	-
Point 240	Unassigned	P240	0	Unassigned	1	2	0	-
Point 241	Unassigned	P241	0	Unassigned	1	2	0	-
Point 242	Unassigned	P242	0	Unassigned	1	2	0	-
Point 243	Unassigned	P243	0	Unassigned	1	2	0	-
Point 244	Unassigned	P244	0	Unassigned	1	2	0	-
Point 245	Unassigned	P245	0	Unassigned	1	2	0	-
Point 246	Unassigned	P246	0	Unassigned	1	2	0	-
Point 247	Unassigned	P247	0	Unassigned	1	2	0	-

Cross Point Parameters

	Entry
Cross Point Timer	20

CMD7 / CMD9

	Command 7	Command 9
Point Index	31	31
Relay	0	0
Point Text	COMMAND 7	COMMAND 9

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BOSCH

Account Number : 0000
Panel Type : D9412GV4
Account Name : 9412GV4 Template-FA & BA
Contact :
Address :

Voice Phone :
Panel Phone :

Point Indexes

POINT INDEXES 1 - 16	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Point Type	0	0	0	0	0	0	1	1	1	2	2	2	3	4	5	6
Point Response	0	1	1	1	1	9	1	7	B	1	7	B	7	1	1	1
Entry Delay	30	30	30	30	30	30	30	30	30	30	120	30	30	30	30	30
Entry Tone Off	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Silent Bell	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Ring Until Restored	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Audible after 2 Fails	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Invisible Point	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Buzz On Fault	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Watch Point	No	No	No	No	No	No	Yes	Yes	No	No	No	No	No	No	No	No
Relay Response Type	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Display as Device	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Local While Disarmed	No	No	No	No	No	No	No	No	Yes	No	No	Yes	No	No	No	No
Local While Armed	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Disable Restorals	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Force Arm Returnable	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Bypass Returnable	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Bypassable	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Swinger Bypass	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Report Byp at Occurrence	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Defer Bypass Report	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Cross Point	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Fire Point	No	No	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No	No
Alarm Verify	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No
Resettable	No	No	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No
Alarm Abort	Yes	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wireless Point Supervision Time	None	None	4 hours	4 hours	4 hours	4 hours	None	None	None	None	None	None	None	None	None	None

POINT INDEXES 17 - 31	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Point Type	7	8	9	2	1	0	0	1	1	1	1	3	2	2	0
Point Response	1	2	1	E	E	8	8	F	4	2	7	5	2	5	0
Entry Delay	30	30	30	30	30	30	30	30	30	30	120	30	30	30	30
Entry Tone Off	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Silent Bell	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Ring Until Restored	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Audible after 2 Fails	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Invisible Point	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Buzz On Fault	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Watch Point	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No
Relay Response Type	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Display as Device	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Local While Disarmed	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Local While Armed	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Disable Restorals	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Force Arm Returnable	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No
Bypass Returnable	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No
Bypassable	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No
Swinger Bypass	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Report Byp at Occurrence	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Defer Bypass Report	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Cross Point	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No

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Page 1 of 2

BOSCH

Account Number :	0000
Panel Type :	D9412GV4
Account Name :	9412GV4 Template-FA & BA
Contact :	
Address :	
Voice Phone :	
Panel Phone :	

Point Indexes

POINT INDEXES 17 - 31	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fire Point	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No
Alarm Verify	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Resettable	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Alarm Abort	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Wireless Point Supervision Time	None	None	None	None	None	4 hours	None	None	None	None	None	None	None	None	None

Point Index Descriptions	Entry
Point Index 1	FIRE-SD/HD/PS
Point Index 2	FACP-TROUBLE
Point Index 3	FACP-SUPERVISORY
Point Index 4	Smoke Detector
Point Index 5	Smoke Det w/Verification
Point Index 6	Bell Supervision - D192G
Point Index 7	Perimeter: Instant N/O
Point Index 8	Perimieter: Delay N/O
Point Index 9	Per: Inst N/O Local:Dis
Point Index 10	Interior: Instant N/O
Point Index 11	Interior: Delay N/O
Point Index 12	Int: Inst N/O Local:Dis
Point Index 13	Interior: Follower N/O
Point Index 14	Maintained Keyswitch
Point Index 15	Momentary Keyswitch
Point Index 16	PS Supvr
Point Index 17	D279 (Non-Priority)
Point Index 18	D279 (Priority)
Point Index 19	Easikey Input
Point Index 20	Interior: POPIT Motion
Point Index 21	Perimeter: POPIT Motion
Point Index 22	Fire Supervisory on Open
Point Index 23	Non-Fire Supervisory Op
Point Index 24	Local: Buzz on Fault
Point Index 25	Per: Delay N/O No Troubl
Point Index 26	Perimeter: Instant N/C
Point Index 27	MOTION-DELAY- N/C
Point Index 28	MOTION-FOLLOWER- N/C
Point Index 29	MOTION-INSTANT- N/C
Point Index 30	Interior: Delay N/C
Point Index 31	CMD7 / CMD9

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BOSCH

Account Number : 0000
Panel Type : D9412GV4
Account Name : 9412GV4 Template-FA & BA
Contact :
Address :

Voice Phone :
Panel Phone :

Function List

FUNCTION LIST	Function #	Set/Clear all CC	CC Address 1	CC Addr ess 2	CC Addr ess 3	CC Addr ess 4	CC Addr ess 5	CC Addr ess 6	CC Addr ess 7	CC Addr ess 8	CC Addr ess 9	CC Addr ess 10	CC Addr ess 11	CC Addr ess 12	CC Addr ess 13	CC Addr ess 14	CC Addr ess 15	CC Addr ess 16
Menu Item 1	128	Set/Clr all CC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Menu Item 2	129	Set/Clr all CC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Menu Item 3	130	Set/Clr all CC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Menu Item 4	131	Set/Clr all CC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Menu Item 5	15	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 6	16	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 7	17	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 8	18	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 9	19	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 10	25	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 11	26	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 12	9	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 13	10	Set/Clr all CC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Menu Item 14	8	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 15	21	Set/Clr all CC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Menu Item 16	0	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 17	0	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 18	0	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 19	0	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 20	0	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 21	0	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 22	0	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 23	0	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 24	0	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 25	0	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 26	0	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No

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BOSCH

Account Number : 0000
Panel Type : D9412GV4
Account Name : 9412GV4 Template-FA & BA
Contact :
Address :

Voice Phone :
Panel Phone :

Function List

FUNCTION LIST	Function #	Set/Clear all CC	CC Address 1	CC Addr ess 2	CC Addr ess 3	CC Addr ess 4	CC Addr ess 5	CC Addr ess 6	CC Addr ess 7	CC Addr ess 8	CC Addr ess 9	CC Addr ess 10	CC Addr ess 11	CC Addr ess 12	CC Addr ess 13	CC Addr ess 14	CC Addr ess 15	CC Addr ess 16
Menu Item 27	0	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 28	0	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 29	0	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 30	0	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 31	0	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Item 32	0	Set/Clr all CC	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No

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BOSCH

Account Number : 0000
Panel Type : D9412GV4
Account Name : 9412GV4 Template-FA & BA
Contact :
Address :

Voice Phone :
Panel Phone :

Authority Levels 1 - 15

Authority Levels - Level # -->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Disarm	E	E	E	E	E	-	-	-	-	-	-	-	-	-	-
Master Arm Delay	E	E	E	E	-	-	-	-	-	-	-	-	-	-	-
Master Arm Instant	E	E	-	-	-	-	-	-	-	-	-	-	-	-	-
Perimeter Instant	E	E	E	E	-	-	-	-	-	-	-	-	-	-	-
Perimeter Delay	E	E	E	E	-	-	-	-	-	-	-	-	-	-	-
Watch Mode	E	E	E	-	-	-	-	-	-	-	-	-	-	-	E
Perimeter Partial	E	E	E	E	-	-	-	-	-	-	-	-	-	-	-
View Area Status	E	E	-	-	-	-	-	-	-	-	-	-	-	-	E
View Memory	E	E	E	-	-	-	-	-	-	-	-	-	-	-	E
View Point Status	E	E	E	-	-	-	-	-	-	-	-	-	-	-	E
Walk Test	E	E	-	-	-	-	-	-	-	-	-	-	-	-	E
Fire Test	E	E	-	-	-	-	-	-	-	-	-	-	-	-	E
Send Report	E	-	-	-	-	-	-	-	-	-	-	-	-	-	E
Door Control	E	E	-	-	-	-	-	-	-	-	-	-	-	-	E
- Cycle Door	E	E	-	-	-	-	-	-	-	-	-	-	-	-	E
- Unlock Door	E	E	-	-	-	-	-	-	-	-	-	-	-	-	E
- Secure Door	E	-	-	-	-	-	-	-	-	-	-	-	-	-	E
Access Control Level	E	-	-	-	-	-	-	-	-	-	-	-	-	-	E
Change Display	E	-	-	-	-	-	-	-	-	-	-	-	-	-	E
Change Time/Date	E	-	-	-	-	-	-	-	-	-	-	-	-	-	E
Change Passcode	E	-	-	-	-	-	-	-	-	-	-	-	-	-	E
Add User	E	-	-	-	-	-	-	-	-	-	-	-	-	-	E
Delete User	E	-	-	-	-	-	-	-	-	-	-	-	-	-	E
Extend Close	E	-	-	-	-	-	-	-	-	-	-	-	-	-	E
View Log	E	-	-	-	-	-	-	-	-	-	-	-	-	-	E
Print Log	E	-	-	-	-	-	-	-	-	-	-	-	-	-	E
User Command 7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	E
User Command 9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	E
Bypass a Point	E	E	E	E	-	-	-	-	-	-	-	-	-	-	E
Unbypass a Point	E	E	E	E	-	-	-	-	-	-	-	-	-	-	E
Reset Sensors	E	E	E	E	-	-	-	-	-	-	-	-	-	-	E
Change Relays	E	E	-	-	-	-	-	-	-	-	-	-	-	-	E
Remote Program	E	E	E	E	-	-	-	-	-	-	-	-	-	-	E
Move To Area	E	E	-	-	-	-	-	-	-	-	-	-	-	-	E
Display Revision	E	-	-	-	-	-	-	-	-	-	-	-	-	-	E
Service Walk	E	-	-	-	-	-	-	-	-	-	-	-	-	-	E
Default Text	E	-	-	-	-	-	-	-	-	-	-	-	-	-	E
Change Skeds	E	-	-	-	-	-	-	-	-	-	-	-	-	-	E
Invisible Walk	E	-	-	-	-	-	-	-	-	-	-	-	-	-	E
Custom Function 128	E	-	-	-	-	-	-	-	-	-	-	-	-	E	-
Custom Function 129	E	-	-	-	-	-	-	-	-	-	-	-	-	E	-
Custom Function 130	E	-	-	-	-	-	-	-	-	-	-	-	-	E	-
Custom Function 131	E	-	-	-	-	-	-	-	-	-	-	-	-	E	-
Custom Function 132	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Custom Function 133	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Custom Function 134	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Custom Function 135	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Custom Function 136	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Custom Function 137	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Custom Function 138	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Custom Function 139	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Custom Function 140	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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BOSCH

Account Number :	0000
Panel Type :	D9412GV4
Account Name :	9412GV4 Template-FA & BA
Contact :	
Address :	
Voice Phone :	
Panel Phone :	

Authority Levels 1 - 15

Authority Levels - Level # -->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Custom Function 141	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Custom Function 142	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Custom Function 143	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Force Arm	E	E	E	E	E	E	-	-	-	-	-	-	-	-	-
Area Open/Close	E	E	E	E	-	E	E	E	E	E	E	E	E	-	-
Restricted Open/Close	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perimeter Open/Close	E	E	E	E	-	E	E	E	E	E	E	E	E	-	-
Send Duress	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passcode Arm	E	E	E	E	E	-	-	-	-	-	-	-	-	-	-
Passcode Disarm	E	E	E	E	E	-	-	-	-	-	-	-	-	-	-
Security Level	M	M	P	P	P	D	-	-	-	-	-	-	-	-	-
Disarm Level	D	D	D	D	D	-	-	-	-	-	-	-	-	-	-
Function Level	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Key Fob Arm/Disarm	E	E	E	E	-	E	-	-	-	-	-	-	-	-	-
Remote Firmware Update?	E	E	E	E	E	E	-	-	-	-	-	-	-	-	-

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BOSCH

Account Number :	0000
Panel Type :	D9412GV4
Account Name :	9412GV4 Template-FA & BA
Contact :	
Address :	
Voice Phone :	
Panel Phone :	

Command Center Functions

COMMAND CENTER FUNCTIONS	Entry
(2) Master Arm Delay - Command 1	-
(3) Master Arm Instant - Command 11	-
(4) Perimeter Instant - Command 2	-
(5) Perimeter Delay - Command 3	-
(6) Watch Mode - Command 6	-
(7) Perimeter Partial - Command 8	-
(8) View Area Status	-
(9) View Memory - Command 40	P
(10) View Point Status	P
(11) Walk Test - Command 44	P
(12) Fire Test - Command 58	P
(13) Send Report - Command 41/42	-
(14) Door Control - Command 46	-
(37) Access Control Level	-
(15) Change Display - Command 49	-
(16) Change Time/Date - Command 45	-
(17) Change Passcode - Command 55	-
(18) Add User - Command 56	-
(19) Delete User - Command 53	-
(20) Extend Close - Command 51	-
(21) View Log - (Use 99 + Enter key)	P
(22) Print Log - (Use 99 + Enter key)	-
(23) User Command 7	-
(24) User Command 9	-
(25) Bypass a Point - Command 0	P
(26) Unbypass a Point - Command 00	P
(27) Reset Sensors - Command 47	-
(28) Change Relays - Command 54	-
(29) Remote Program - Command 43	-
(30) Move To Area - Command 50	-
(32) Display Revision - Command 59	-
(33) Service Walk - (Use 99 + Enter key)	P
(34) Default Text - Command 57	-
(35) Change Skeds - Command 52	-
(36) Invisible Walk	-
(128) Custom Function 128	E
(129) Custom Function 129	E
(130) Custom Function 130	E
(131) Custom Function 131	E
(132) Custom Function 132	-
(133) Custom Function 133	-
(134) Custom Function 134	-
(135) Custom Function 135	-
(136) Custom Function 136	-
(137) Custom Function 137	-
(138) Custom Function 138	-
(139) Custom Function 139	-
(140) Custom Function 140	-
(141) Custom Function 141	-
(142) Custom Function 142	-
(143) Custom Function 143	-
Keypad Programming	P

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BOSCH

Command Center.

Account Number : 0000
Panel Type : D9412GV4
Account Name : 9412GV4 Template-FA & BA
Contact :
Address :

Voice Phone :
Panel Phone :

CMD CTR ASSIGNMENTS	CC Address 1	CC Address 2	CC Address 3	CC Address 4	CC Address 5	CC Address 6	CC Address 7	CC Address 8	CC Address 9	CC Address 10	CC Address 11	CC Address 12	CC Address 13	CC Address 14	CC Address 15	CC Address 16
Supervision	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Enhanced Command Center	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area Assignment	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Scope	Panel Wide	Area Wide	No Keypad	No Keypad	No Keypad	No Keypad	No Keypad	Panel Wide	No Keypad	No Keypad	No Keypad	No Keypad	No Keypad	No Keypad	No Keypad	No Keypad
Area(s) in Scope	All	2	None	None	None	None	None	All	None	None	None	None	None	None	None	None
Passcode Follows Scope?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Enter Key Relay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Passcode Enter Function	Arm/Disarm	Arm/Disarm	Arm/Disarm	Arm/Disarm	Arm/Disarm	Arm/Disarm	Arm/Disarm	Arm/Disarm	Arm/Disarm	Arm/Disarm	Arm/Disarm	Arm/Disarm	Arm/Disarm	Arm/Disarm	Arm/Disarm	Arm/Disarm
Dual Authentication	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Dual Authentication Duration	10 seconds	10 seconds	10 seconds	10 seconds	10 seconds	10 seconds	10 seconds	10 seconds	10 seconds	10 seconds	10 seconds	10 seconds	10 seconds	10 seconds	10 seconds	10 seconds
Assign Door	Door 1	No Door	No Door	No Door	No Door	No Door	No Door	No Door	No Door	No Door	No Door	No Door	No Door	No Door	No Door	No Door
Trouble Tone	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Entry Tone	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Exit Tone	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Arm Area Warning Tone	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Close Door Warning Tone	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Idle Scroll Lock	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Menu Key Lock	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Abort Display	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cancel Display	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

CMD CTR - Areas in Scope	CC Address 1	CC Address 2	CC Address 3	CC Address 4	CC Address 5	CC Address 6	CC Address 7	CC Address 8	CC Address 9	CC Address 10	CC Address 11	CC Address 12	CC Address 13	CC Address 14	CC Address 15	CC Address 16
Area 1	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 2	Yes	Yes	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 3	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 4	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 5	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 6	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 7	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 8	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 9	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 10	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 11	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 12	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 13	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 14	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 15	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 16	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 17	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 18	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 19	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 20	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No

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BOSCH

Account Number :	0000
Panel Type :	D9412GV4
Account Name :	9412GV4 Template-FA & BA
Contact :	
Address :	
Voice Phone :	
Panel Phone :	

Command Center.

CMD CTR - Areas in Scope	CC Address 1	CC Address 2	CC Address 3	CC Address 4	CC Address 5	CC Address 6	CC Address 7	CC Address 8	CC Address 9	CC Address 10	CC Address 11	CC Address 12	CC Address 13	CC Address 14	CC Address 15	CC Address 16
Area 21	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 22	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 23	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 24	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 25	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 26	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 27	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 28	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 29	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 30	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 31	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No
Area 32	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No

AREA TEXT	"Area # Is On" Text	"Area # Not Ready" Text	"Area # Is Off" Text	"Area # Account Is On" Text	"Area # Name" Text
Area 1 Text	A1-FIRE	A1-FIRE	A1-FIRE	A1-FIRE	A1-FIRE
Area 2 Text	A2 AREA IS ON	A2 NOT READY	A2 AREA IS OFF	A2 ACCOUNT ON	A2 NAME TEXT
Area 3 Text	A3 AREA IS ON	A3 NOT READY	A3 AREA IS OFF	A3 ACCOUNT ON	A3 NAME TEXT
Area 4 Text	A4 AREA IS ON	A4 NOT READY	A4 AREA IS OFF	A4 ACCOUNT ON	A4 NAME TEXT
Area 5 Text	A5 AREA IS ON	A5 NOT READY	A5 AREA IS OFF	A5 ACCOUNT ON	A5 NAME TEXT
Area 6 Text	A6 AREA IS ON	A6 NOT READY	A6 AREA IS OFF	A6 ACCOUNT ON	A6 NAME TEXT
Area 7 Text	A7 AREA IS ON	A7 NOT READY	A7 AREA IS OFF	A7 ACCOUNT ON	A7 NAME TEXT
Area 8 Text	A8 AREA IS ON	A8 NOT READY	A8 AREA IS OFF	A8 ACCOUNT ON	A8 NAME TEXT
Area 9 Text	A9 AREA IS ON	A9 NOT READY	A9 AREA IS OFF	A9 ACCOUNT ON	A9 NAME TEXT
Area 10 Text	A10 AREA IS ON	A10 NOT READY	A10 AREA IS OFF	A10 ACCOUNT ON	A10 NAME TEXT
Area 11 Text	A11 AREA IS ON	A11 NOT READY	A11 AREA IS OFF	A11 ACCOUNT ON	A11 NAME TEXT
Area 12 Text	A12 AREA IS ON	A12 NOT READY	A12 AREA IS OFF	A12 ACCOUNT ON	A12 NAME TEXT
Area 13 Text	A13 AREA IS ON	A13 NOT READY	A13 AREA IS OFF	A13 ACCOUNT ON	A13 NAME TEXT
Area 14 Text	A14 AREA IS ON	A14 NOT READY	A14 AREA IS OFF	A14 ACCOUNT ON	A14 NAME TEXT
Area 15 Text	A15 AREA IS ON	A15 NOT READY	A15 AREA IS OFF	A15 ACCOUNT ON	A15 NAME TEXT
Area 16 Text	A16 AREA IS ON	A16 NOT READY	A16 AREA IS OFF	A16 ACCOUNT ON	A16 NAME TEXT
Area 17 Text	A17 AREA IS ON	A17 NOT READY	A17 AREA IS OFF	A17 ACCOUNT ON	A17 NAME TEXT
Area 18 Text	A18 AREA IS ON	A18 NOT READY	A18 AREA IS OFF	A18 ACCOUNT ON	A18 NAME TEXT
Area 19 Text	A19 AREA IS ON	A19 NOT READY	A19 AREA IS OFF	A19 ACCOUNT ON	A19 NAME TEXT
Area 20 Text	A20 AREA IS ON	A20 NOT READY	A20 AREA IS OFF	A20 ACCOUNT ON	A20 NAME TEXT
Area 21 Text	A21 AREA IS ON	A21 NOT READY	A21 AREA IS OFF	A21 ACCOUNT ON	A21 NAME TEXT
Area 22 Text	A22 AREA IS ON	A22 NOT READY	A22 AREA IS OFF	A22 ACCOUNT ON	A22 NAME TEXT
Area 23 Text	A23 AREA IS ON	A23 NOT READY	A23 AREA IS OFF	A23 ACCOUNT ON	A23 NAME TEXT

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BOSCH

Account Number : 0000
Panel Type : D9412GV4
Account Name : 9412GV4 Template-FA & BA
Contact :
Address :

Voice Phone :
Panel Phone :

Command Center.

AREA TEXT	"Area # Is On" Text	"Area # Not Ready" Text	"Area # Is Off" Text	"Area # Account Is On" Text	"Area # Name" Text
Area 24 Text	A24 AREA IS ON	A24 NOT READY	A24 AREA IS OFF	A24 ACCOUNT ON	A24 NAME TEXT
Area 25 Text	A25 AREA IS ON	A25 NOT READY	A25 AREA IS OFF	A25 ACCOUNT ON	A25 NAME TEXT
Area 26 Text	A26 AREA IS ON	A26 NOT READY	A26 AREA IS OFF	A26 ACCOUNT ON	A26 NAME TEXT
Area 27 Text	A27 AREA IS ON	A27 NOT READY	A27 AREA IS OFF	A27 ACCOUNT ON	A27 NAME TEXT
Area 28 Text	A28 AREA IS ON	A28 NOT READY	A28 AREA IS OFF	A28 ACCOUNT ON	A28 NAME TEXT
Area 29 Text	A29 AREA IS ON	A29 NOT READY	A29 AREA IS OFF	A29 ACCOUNT ON	A29 NAME TEXT
Area 30 Text	A30 AREA IS ON	A30 NOT READY	A30 AREA IS OFF	A30 ACCOUNT ON	A30 NAME TEXT
Area 31 Text	A31 AREA IS ON	A31 NOT READY	A31 AREA IS OFF	A31 ACCOUNT ON	A31 NAME TEXT
Area 32 Text	A32 AREA IS ON	A32 NOT READY	A32 AREA IS OFF	A32 ACCOUNT ON	A32 NAME TEXT

CUSTOM FUNCTIONS	Custom Function Text	Custom Function Keystrokes
CF 128	ALARM SILENCE	125600E
CF 129	TROUBLE SILENCE	A4CC
CF 130	DETECTOR RESET	A47
CF 131	ANN RESET	125600C
CF 132		
CF 133		
CF 134		
CF 135		
CF 136		
CF 137		
CF 138		
CF 139		
CF 140		
CF 141		
CF 142		
CF 143		

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BOSCH

Account Number :	0000
Panel Type :	D9412GV4
Account Name :	9412GV4 Template-FA & BA
Contact :	
Address :	
Voice Phone :	
Panel Phone :	

Area Descriptions

AREA DESCRIPTIONS	Area Description
Area 1	AREA 1-FIRE
Area 2	AREA 2-INTRUSION
Area 3	AREA 3
Area 4	AREA 4
Area 5	AREA 5
Area 6	AREA 6
Area 7	AREA 7
Area 8	AREA 8
Area 9	AREA 9
Area 10	AREA 10
Area 11	AREA 11
Area 12	AREA 12
Area 13	AREA 13
Area 14	AREA 14
Area 15	AREA 15
Area 16	AREA 16
Area 17	AREA 17
Area 18	AREA 18
Area 19	AREA 19
Area 20	AREA 20
Area 21	AREA 21
Area 22	AREA 22
Area 23	AREA 23
Area 24	AREA 24
Area 25	AREA 25
Area 26	AREA 26
Area 27	AREA 27
Area 28	AREA 28
Area 29	AREA 29
Area 30	AREA 30
Area 31	AREA 31
Area 32	AREA 32

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OAKLAND UNIFIED SCHOOL DISTRICT
Community Schools, Thriving Students

BOSCH

Account Number : 0000
Panel Type : D9412GV4
Account Name : 9412GV4 Template-FA & BA
Contact :
Address :

Voice Phone :
Panel Phone :

Area Wide Parameters

Area 1- 8	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Area 7	Area 8
Area On	Yes	Yes	No	No	No	No	No	No
Account Number	0000	0000	0000	0000	0000	0000	0000	0000
Force Arm / Bypass Max	0	99	2	2	2	2	2	2
Delay Restorals	No	No	No	No	No	No	No	No
Exit Tone	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Exit Delay Time	60	60	60	60	60	60	60	60
Auto Watch	No	No	No	No	No	No	No	No
Verify Time	60	60	60	60	60	60	60	60
Duress Enable	No	No	No	No	No	No	No	No
Area Type	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular
Two Man Rule?	No	No	No	No	No	No	No	No
Early Ambush?	No	No	No	No	No	No	No	No
Fire Time	6	6	6	6	6	6	6	6
Fire Pattern	Pulsed	Pulsed	Pulsed	Pulsed	Pulsed	Pulsed	Pulsed	Pulsed
Burg Time	6	6	6	6	6	6	6	6
Burg Pattern	Steady	Steady	Steady	Steady	Steady	Steady	Steady	Steady
Single Ring	No	No	No	No	No	No	No	No
Bell Test	No	No	No	No	No	No	No	No
Account O/C	No	No	No	No	No	No	No	No
Area O/C	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
Disable O/C in Window	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
Auto Close	No	No	No	No	No	No	No	No
Fail To Open	No	No	No	No	No	No	No	No
Fail To Close	No	No	No	No	No	No	No	No
Latest Close Time	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Restricted O/C	No	No	No	No	No	No	No	No
Perimeter O/C	No	No	No	No	No	No	No	No
Exit Delay Restart	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
Master Arm - No Exit	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
Exit Delay Warning	No	No	No	No	No	No	No	No
Entry Delay Warning	No	No	No	No	No	No	No	No

Area 9 - 16	Area 9	Area 10	Area 11	Area 12	Area 13	Area 14	Area 15	Area 16
Area On	No	No	No	No	No	No	No	No
Account Number	0000	0000	0000	0000	0000	0000	0000	0000
Force Arm / Bypass Max	2	2	2	2	2	2	2	2
Delay Restorals	No	No	No	No	No	No	No	No
Exit Tone	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Exit Delay Time	60	60	60	60	60	60	60	60
Auto Watch	No	No	No	No	No	No	No	No
Verify Time	60	60	60	60	60	60	60	60
Duress Enable	No	No	No	No	No	No	No	No
Area Type	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular
Two Man Rule?	No	No	No	No	No	No	No	No
Early Ambush?	No	No	No	No	No	No	No	No
Fire Time	6	6	6	6	6	6	6	6
Fire Pattern	Pulsed	Pulsed	Pulsed	Pulsed	Pulsed	Pulsed	Pulsed	Pulsed
Burg Time	6	6	6	6	6	6	6	6
Burg Pattern	Steady	Steady	Steady	Steady	Steady	Steady	Steady	Steady
Single Ring	No	No	No	No	No	No	No	No
Bell Test	No	No	No	No	No	No	No	No
Account O/C	No	No	No	No	No	No	No	No

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BOSCH

Account Number : 0000
Panel Type : D9412GV4
Account Name : 9412GV4 Template-FA & BA
Contact :
Address :

Voice Phone :
Panel Phone :

Area Wide Parameters

Area 9 - 16	Area 9	Area 10	Area 11	Area 12	Area 13	Area 14	Area 15	Area 16
Area O/C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Disable O/C in Window	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Auto Close	No	No	No	No	No	No	No	No
Fail To Open	No	No	No	No	No	No	No	No
Fail To Close	No	No	No	No	No	No	No	No
Latest Close Time	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Restricted O/C	No	No	No	No	No	No	No	No
Perimeter O/C	No	No	No	No	No	No	No	No
Exit Delay Restart	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Master Arm - No Exit	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Exit Delay Warning	No	No	No	No	No	No	No	No
Entry Delay Warning	No	No	No	No	No	No	No	No

Area 17 - 24	Area 17	Area 18	Area 19	Area 20	Area 21	Area 22	Area 23	Area 24
Area On	No	No	No	No	No	No	No	No
Account Number	0000	0000	0000	0000	0000	0000	0000	0000
Force Arm / Bypass Max	2	2	2	2	2	2	2	2
Delay Restorals	No	No	No	No	No	No	No	No
Exit Tone	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Exit Delay Time	60	60	60	60	60	60	60	60
Auto Watch	No	No	No	No	No	No	No	No
Verify Time	60	60	60	60	60	60	60	60
Duress Enable	No	No	No	No	No	No	No	No
Area Type	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular
Two Man Rule?	No	No	No	No	No	No	No	No
Early Ambush?	No	No	No	No	No	No	No	No
Fire Time	6	6	6	6	6	6	6	6
Fire Pattern	Pulsed	Pulsed	Pulsed	Pulsed	Pulsed	Pulsed	Pulsed	Pulsed
Burg Time	6	6	6	6	6	6	6	6
Burg Pattern	Steady	Steady	Steady	Steady	Steady	Steady	Steady	Steady
Single Ring	No	No	No	No	No	No	No	No
Bell Test	No	No	No	No	No	No	No	No
Account O/C	No	No	No	No	No	No	No	No
Area O/C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Disable O/C in Window	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Auto Close	No	No	No	No	No	No	No	No
Fail To Open	No	No	No	No	No	No	No	No
Fail To Close	No	No	No	No	No	No	No	No
Latest Close Time	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Restricted O/C	No	No	No	No	No	No	No	No
Perimeter O/C	No	No	No	No	No	No	No	No
Exit Delay Restart	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Master Arm - No Exit	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Exit Delay Warning	No	No	No	No	No	No	No	No
Entry Delay Warning	No	No	No	No	No	No	No	No

Area 25 - 32	Area 25	Area 26	Area 27	Area 28	Area 29	Area 30	Area 31	Area 32
Area On	No	No	No	No	No	No	No	No
Account Number	0000	0000	0000	0000	0000	0000	0000	0000
Force Arm / Bypass Max	2	2	2	2	2	2	2	2
Delay Restorals	No	No	No	No	No	No	No	No
Exit Tone	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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BOSCH

Account Number :	0000
Panel Type :	D9412GV4
Account Name :	9412GV4 Template-FA & BA
Contact :	
Address :	
Voice Phone :	
Panel Phone :	

Area Wide Parameters

Area 25 - 32	Area 25	Area 26	Area 27	Area 28	Area 29	Area 30	Area 31	Area 32
Exit Delay Time	60	60	60	60	60	60	60	60
Auto Watch	No	No	No	No	No	No	No	No
Verify Time	60	60	60	60	60	60	60	60
Duress Enable	No	No	No	No	No	No	No	No
Area Type	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular
Two Man Rule?	No	No	No	No	No	No	No	No
Early Ambush?	No	No	No	No	No	No	No	No
Fire Time	6	6	6	6	6	6	6	6
Fire Pattern	Pulsed	Pulsed	Pulsed	Pulsed	Pulsed	Pulsed	Pulsed	Pulsed
Burg Time	6	6	6	6	6	6	6	6
Burg Pattern	Steady	Steady	Steady	Steady	Steady	Steady	Steady	Steady
Single Ring	No	No	No	No	No	No	No	No
Bell Test	No	No	No	No	No	No	No	No
Account O/C	No	No	No	No	No	No	No	No
Area O/C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Disable O/C in Window	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Auto Close	No	No	No	No	No	No	No	No
Fail To Open	No	No	No	No	No	No	No	No
Fail To Close	No	No	No	No	No	No	No	No
Latest Close Time	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Restricted O/C	No	No	No	No	No	No	No	No
Perimeter O/C	No	No	No	No	No	No	No	No
Exit Delay Restart	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Master Arm - No Exit	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Exit Delay Warning	No	No	No	No	No	No	No	No
Entry Delay Warning	No	No	No	No	No	No	No	No

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BOSCH

Account Number :	0000
Panel Type :	D9412GV4
Account Name :	9412GV4 Template-FA & BA
Contact :	
Address :	
Voice Phone :	
Panel Phone :	

Routing Report

REPORT ROUTING	Route Group 1	Route Group 2	Route Group 3	Route Group 4
Fire Reports	Yes	Yes	Yes	Yes
Burglar Reports	Custom	Yes	Yes	Yes
User Reports	Custom	Yes	Yes	Yes
Test Reports	Custom	Yes	Yes	Yes
Diagnostic Reports	Custom	Yes	Yes	Yes
Relay Reports	No	Yes	Yes	Yes
Auto Function Reports	No	Yes	Yes	Yes
RPS Reports	No	Yes	Yes	Yes
Point Reports	Custom	Yes	Yes	Yes
User Change Reports	No	Yes	Yes	Yes
Access Reports	No	No	No	No

FIRE REPORTS	Route Group 1	Route Group 2	Route Group 3	Route Group 4
Fire Alarm	Yes	Yes	Yes	Yes
Fire Restoral (After Alarm)	Yes	Yes	Yes	Yes
Fire Missing	Yes	Yes	Yes	Yes
Fire Trouble	Yes	Yes	Yes	Yes
Fire Supervision	Yes	Yes	Yes	Yes
Fire Restoral (After Trouble)	Yes	Yes	Yes	Yes
Fire Cancel	Yes	Yes	Yes	Yes
Fire Supervision Missing	Yes	Yes	Yes	Yes
Fire Supervision Restoral	Yes	Yes	Yes	Yes

BURGLAR REPORTS	Route Group 1	Route Group 2	Route Group 3	Route Group 4
Alarm Report	Yes	Yes	Yes	Yes
Burg Restore (After Trouble)	No	Yes	Yes	Yes
Duress	No	Yes	Yes	Yes
Missing Alarm	No	Yes	Yes	Yes
User Code Tamper	No	Yes	Yes	Yes
Trouble Report	No	Yes	Yes	Yes
Missing Trouble	No	Yes	Yes	Yes
Non-Fire Supervision	No	Yes	Yes	Yes
Point Bus Fail	No	Yes	Yes	Yes
Point Bus Restoral	No	Yes	Yes	Yes
Non-Fire Cancel	No	Yes	Yes	Yes
Alarm Restore	Yes	Yes	Yes	Yes
Supervision Missing	No	Yes	Yes	Yes
Unverified Event	No	Yes	Yes	Yes

USER REPORTS	Route Group 1	Route Group 2	Route Group 3	Route Group 4
Point/Command Bypass	No	Yes	Yes	Yes
Forced Point	Yes	Yes	Yes	Yes
Point Opening	No	Yes	Yes	Yes
Point Closing	No	Yes	Yes	Yes
Was Force Armed	Yes	Yes	Yes	Yes
Fail To Open	No	Yes	Yes	Yes
Fail To Close	No	Yes	Yes	Yes
Extend Close Time	No	Yes	Yes	Yes
Opening Report	Yes	Yes	Yes	Yes
Forced Close	Yes	Yes	Yes	Yes

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BOSCH

Account Number :	0000
Panel Type :	D9412GV4
Account Name :	9412GV4 Template-FA & BA
Contact :	
Address :	
Voice Phone :	
Panel Phone :	

Routing Report

USER REPORTS	Route Group 1	Route Group 2	Route Group 3	Route Group 4
Closing	Yes	Yes	Yes	Yes
Forced Close Perim Instant	No	Yes	Yes	Yes
Forced Close Perim Delay	No	Yes	Yes	Yes
Perimeter Instant Armed	No	Yes	Yes	Yes
Perimeter Delay Armed	No	Yes	Yes	Yes
Send User Text	Yes	Yes	Yes	Yes

TEST REPORTS	Route Group 1	Route Group 2	Route Group 3	Route Group 4
S: Alarm	No	Yes	Yes	Yes
S: Trouble	No	Yes	Yes	Yes
S: Supervision	No	Yes	Yes	Yes
Status Report	No	Yes	Yes	Yes
S: Open	No	Yes	Yes	Yes
S: Close	No	Yes	Yes	Yes
Test Report	Yes	Yes	Yes	Yes
S: Perimeter Instant	No	Yes	Yes	Yes
S: Perimeter Delay	No	Yes	Yes	Yes
S: Fire Supervision	No	Yes	Yes	Yes
S: Fire Alarm	No	Yes	Yes	Yes
S: Fire Trouble	No	Yes	Yes	Yes
S: Missing Fire (Trouble)	No	Yes	Yes	Yes
S: Missing Burglary (Trouble)	No	Yes	Yes	Yes
S: Missing Burglary (Alarm)	No	Yes	Yes	Yes
S: Fire Supv Missing	No	Yes	Yes	Yes
S: Burglary Supv Missing	No	Yes	Yes	Yes
S: Door Left Open	No	Yes	Yes	Yes

DIAGNOSTIC REPORTS	Route Group 1	Route Group 2	Route Group 3	Route Group 4
SDI Device Failure	Yes	Yes	Yes	Yes
SDI Device Restoral	Yes	Yes	Yes	Yes
Watchdog Reset	No	Yes	Yes	Yes
Parameter Checksum Fail	No	Yes	Yes	Yes
Reboot	Yes	Yes	Yes	Yes
Phone Line Fail	Yes	Yes	Yes	Yes
Phone Line Restoral	Yes	Yes	Yes	Yes
AC Failure	Yes	Yes	Yes	Yes
AC Restoral	Yes	Yes	Yes	Yes
Battery Missing	Yes	Yes	Yes	Yes
Battery Low	Yes	Yes	Yes	Yes
Battery Restoral	Yes	Yes	Yes	Yes
Route Comm Fail	Yes	Yes	Yes	Yes
Route Comm Restore	Yes	Yes	Yes	Yes
Checksum Fail	No	Yes	Yes	Yes
Network Fail	No	Yes	Yes	Yes
Network Restoral	No	Yes	Yes	Yes
Network Condition	No	Yes	Yes	Yes
RF Interference	No	Yes	Yes	Yes
RF Interference Restore	No	Yes	Yes	Yes
Equipment Fail	No	Yes	Yes	Yes
Equipment Fail Restore	No	Yes	Yes	Yes

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BOSCH

Account Number : 0000
Panel Type : D9412GV4
Account Name : 9412GV4 Template-FA & BA
Contact :
Address :

Voice Phone :
Panel Phone :

Routing Report

RELAY REPORTS	Route Group 1	Route Group 2	Route Group 3	Route Group 4
Sensor Reset	No	Yes	Yes	Yes
Relay Set	No	Yes	Yes	Yes
Relay Reset	No	Yes	Yes	Yes

AUTO FUNCTION REPORTS	Route Group 1	Route Group 2	Route Group 3	Route Group 4
Sked Executed	No	Yes	Yes	Yes
Sked Changed	No	Yes	Yes	Yes
Fail to Execute	No	Yes	Yes	Yes

RPS REPORTS	Route Group 1	Route Group 2	Route Group 3	Route Group 4
Event Log Threshold	No	Yes	Yes	Yes
Event Log Overflow	No	Yes	Yes	Yes
Parameters Changed	No	Yes	Yes	Yes
RPS Access OK	No	Yes	Yes	Yes
RPS Access Fail	No	Yes	Yes	Yes
Remote Reset	No	Yes	Yes	Yes
Program Access OK	No	Yes	Yes	Yes
Program Access Fail	No	Yes	Yes	Yes

POINT REPORTS	Route Group 1	Route Group 2	Route Group 3	Route Group 4
Service Start	Yes	Yes	Yes	Yes
Service End	Yes	Yes	Yes	Yes
Fire Walk Start	Yes	Yes	Yes	Yes
Fire Walk End	Yes	Yes	Yes	Yes
Walk Test Start	Yes	Yes	Yes	Yes
Walk Test End	Yes	Yes	Yes	Yes
Extra Point	No	Yes	Yes	Yes
Send Point Text	No	Yes	Yes	Yes
RF Low Battery	No	Yes	Yes	Yes
RF Battery Restore	No	Yes	Yes	Yes
Service Bypass	Yes	Yes	Yes	Yes
Service Bypass Restore	Yes	Yes	Yes	Yes

USER CHANGE REPORTS	Route Group 1	Route Group 2	Route Group 3	Route Group 4
Date Changed	No	Yes	Yes	Yes
Time Changed	No	Yes	Yes	Yes
Delete User	No	Yes	Yes	Yes
User Code Change	No	Yes	Yes	Yes
Area Watch	No	Yes	Yes	Yes
Card/Key Fob Assigned	No	Yes	Yes	Yes
Key Fob Removed	No	Yes	Yes	Yes
Change Level	No	Yes	Yes	Yes

ACCESS REPORTS	Route Group 1	Route Group 2	Route Group 3	Route Group 4
Access Granted	No	No	No	No
No Entry	No	No	No	No
Door Left Open	No	No	No	No
Cycle Door	No	No	No	No
Door Unlocked	No	No	No	No
Door Secure	No	No	No	No

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BOSCH

Routing Report

Account Number : 0000
Panel Type : D9412GV4
Account Name : 9412GV4 Template-FA & BA
Contact :
Address :

Voice Phone :
Panel Phone :

ACCESS REPORTS	Route Group 1	Route Group 2	Route Group 3	Route Group 4
Door Request	No	No	No	No
Door Locked	No	No	No	No

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CITY OF OAKLAND

ALARM PERMIT APPLICATION

☐ RESIDENTIAL ☐ *SENIOR DISCOUNT
*(65 or older) (Residential Only)
**Must be member of a qualified low income program
Please call 510-238-3525 to verify eligibility**

☐ BUSINESS

Name of responsible party (Please print)

Alarm Location (Include Building/Apt #)

City, State and Zip Code

Billing Address (if different)

City, State and Zip Code

Home Phone:_____

Cell Phone: _____

Business Name (Please print)

Name of responsible party (Please print)

Alarm Location (Include Suite or Unit #)

City, State and Zip Code

Billing Address (if different)

City, State and Zip Code

Office Phone:_____

Alternate Phone: _____

SPECIAL CONDITIONS

In order to ensure the safety of our officers, the public and to enable the police department to better protect your property, please provide information regarding potentially hazardous circumstances (i.e. guard animals, weapons, hazardous substances, etc.), including pet dogs (quantity and type)

Comment: _____

ALARM INSTALLATION DETAILS

Alarm Installation Date:_____

Alarm Installation Company : _____

Monitoring Company: (if different) _____

Monitoring Company Address & Phone # :_____

PLEASE READ THE FOLLOWING AND SIGN

This is to certify that as the applying principal, my immediate family, tenants, or employees who have access to the protected premises have been given training which includes procedures and practices to follow in the event that the alarm system is accidentally activated. I also acknowledge that the installation company left me a set of written instructions for the alarm system, including written guidelines on how to avoid false alarms. The police response may be influenced by factors including, but not limited to, the availability of officers, priority calls, traffic conditions, emergency conditions and staffing levels.

Signature: (Owner) _____ Date: _____

In accordance with Oakland Municipal Code 8.02, if you have an alarm system within the city limits of Oakland, it must be registered with the city.

Service Fees: False Burglar Alarm - $84   False Robbery/Panic alarm - $156   Non registered sites - Additional service fee of $70 per false alarm

Police response may be suspended for failure to pay a permit, renewal, or false alarm service fee.

Make Checks Payable To Your Alarm Company
Annual Permit Fee:
Residential Permit Fee: $25.00
Commercial Permit Fee: $35.00
*Senior Discount Permit Fee: $15.00

Return this form and permit fee to your alarm company
(Permit will not be valid without this form)

For more information regarding this ordinance please visit www.atbservices.com/oakland

For Customer Service Call: 1-866-950-9902

For Office Use Only
Permit Number: _____
Date Received: _____

Expiration Date: _____

Processed By:_____

Version 1, Rev.1

APPENDIX B

Service Fees

Permit Status	If Alarm Call Is . . .	Total Service Fee	Fee Breakdown	
			False Alarm	Invalid Permit
Invalid (not registered, expired)	General False Alarm	$154	$84	$70
	Robbery False Alarm	$226	$156	$70
	Genuine	$70	--	$70
Valid	General False Alarm	$84	$84	--
	Robbery False Alarm	$156	$156	--
	Genuine	--	--	--

A $30 LATE FEE IS APPLIED TO INVOICES 30 DAYS OR MORE PAST DUE

OUSD IS NOT EXEMPT FROM ALARM SERVICE FEES
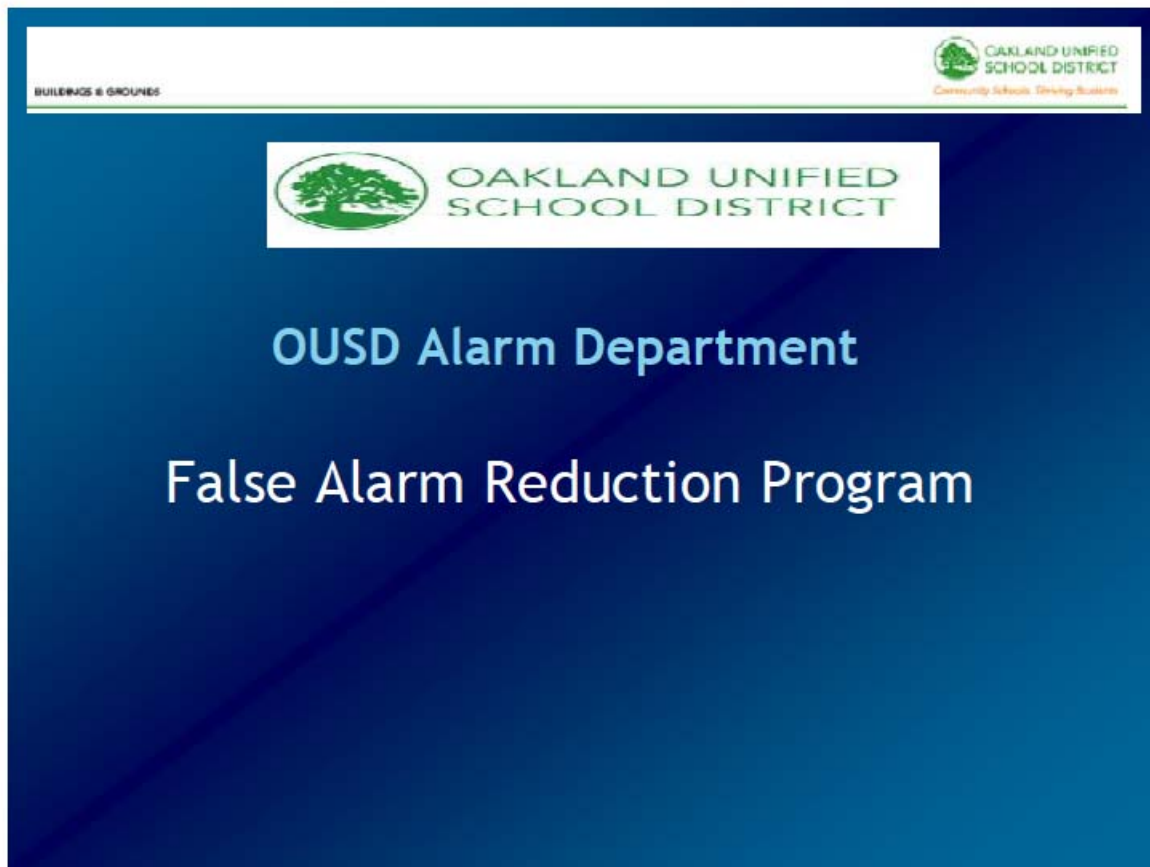
Causes of False Alarms

- 60% of False Alarms are caused by Staff entering the site After Hours & on Weekends
- 30% of False Alarms are caused by Decorations hanging from ceilings
- 9% of False Alarms are caused by Fans, Heaters, Open Windows & Doors and items in front or above heating/air conditioning ventilation
- 1% of False Alarms are caused by Environmental issues such as: Spider Mites & Rodents or Equipment Failure.

Service Calls

- The OUSD Alarm Department monitors all alarm activity continuously to make sure that recurring false alarms are resolved.

- The devices installed at our sites rarely fail, however if that should occur, we replace these devices immediately.

- If you feel there is a problem with your security system, you can place a work order request on IFAS or by contacting our alarm department at 510.535.2736.

- Keep in mind that the Alarm Department is continually checking the status of Fire & Security systems on a daily basis.

- Service requests should be made by email or by calling 510.535.2736 as sites will not have access to School Dude.

False Alarms

- To prevent false alarm fines that you cause by accident, it is important that you contact First Alarm who is our Alarm Monitoring Company.

- Be ready to provide them with your Acct Number, Verbal Pass Code, and your name. They will cancel any false Fire or Intrusion alarm for you. They can always contact OUSD alarm department if you need help. *** Information will be provided at the end of this session***

- Be sure whenever you enter a site before or after hours, as well as on weekends, that you *Read The Security Keypad!*

- This will tell you if someone other than yourself is working at the site, and you need to verify that you are the last person leaving before you arm the system.

  (Failure to do so could cause an alarm while someone is still inside)

Examples of Hanging Items

- When Police officers respond to alarm calls it is so very important that they are called on valid break-ins and not for recurrent false alarms

- We receive daily reports from OUSD PD when they respond and find alarms are caused by hanging items.

See the photo's below for examples

Photos sent to OUSD Alarm Department
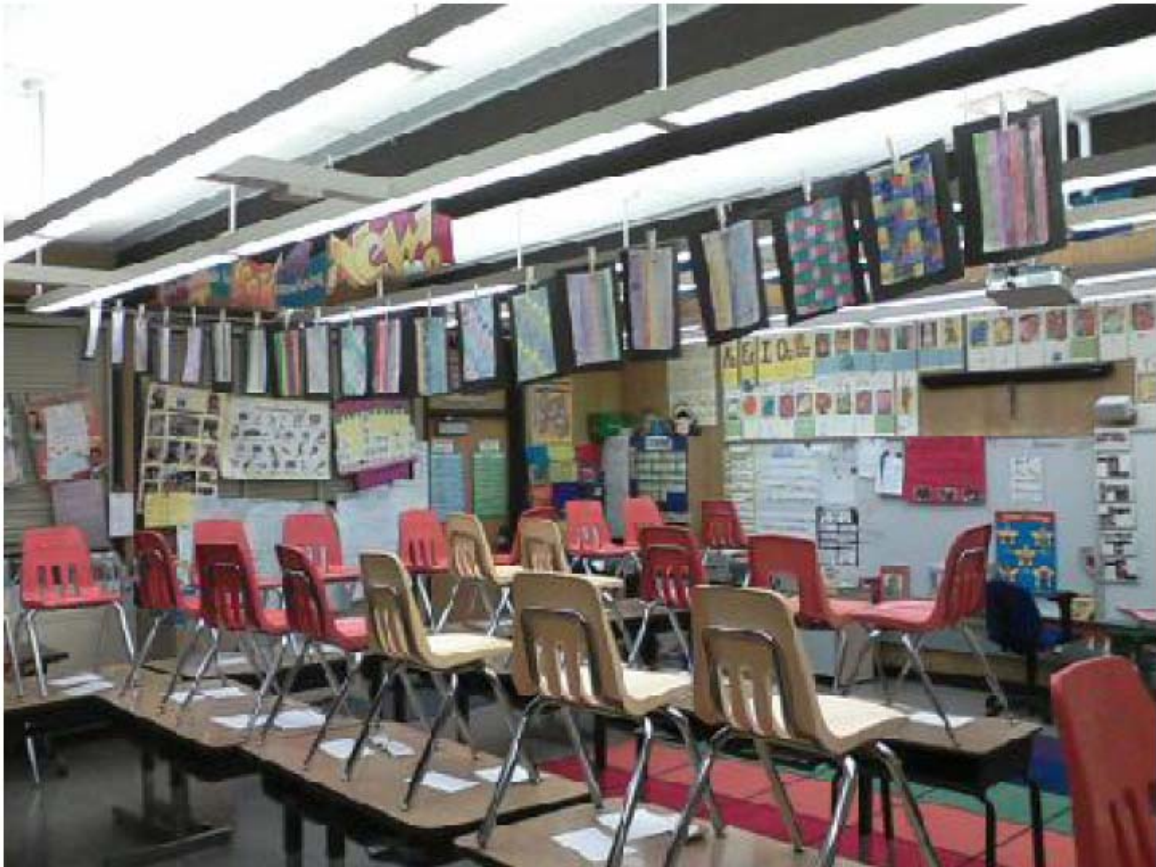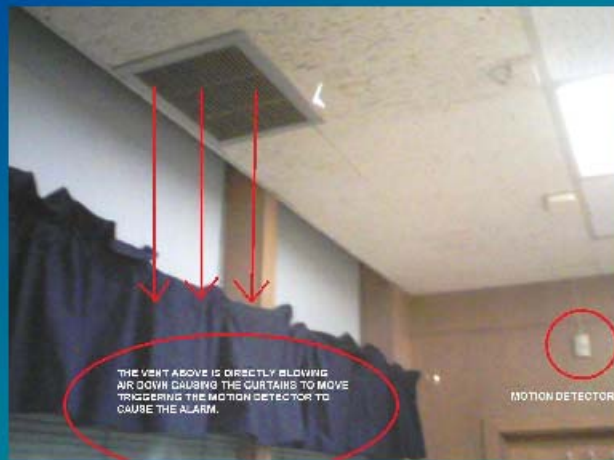
The Last Resort

- When we receive reports of hanging items that cause the false alarm, we will notify you so you can remove the items.
- Keep in mind that a single room that has decorations in it that we disable could cause several other rooms to be disabled due to the type of alarm system that is installed at the site.
- With the City's regulation stating a single alarm permit can not exceed 3 alarms in a year, it is crucial that we make every attempt to prevent false alarms. At a site that has an average of 40 protected points in a single building, 3 alarms per year is an extremely low amount.

- *Should these items not be removed and false alarms continue, we will be forced to disable security to that area until it has been resolved.*
- *We try to only disable security where the problem continues after we have notified the site of the issue.*

***** Hanging items can be relocated to an area where the motion detector does not pick them up. Items should never be hung within 15 feet directly in front of and 5 feet to either side of the Motion Detector

- ❖ To know if the sensor sees a hanging item, the Motion Detector has a red light that will light up when motion is being seen.

Oakland Police Verified No Response

Verified No Response

- At this time 99% of our schools are on Verified No Response. This means that Oakland Police Department will not respond to an alarm unless someone from the Site, Buildings & Grounds, or Security personnel can provide validation of a break-in by camera surveillance, eye witness or audio confirmation.

- We currently have our Oakland School Police on patrol for alarms at our schools daily from Sunday to Thursday 9:00pm-05:00am.

- We do NOT have School Police on duty over the week-ends. This is the most likely time for break-ins at our sites when we depend on Oakland Police Department to respond.

- Principals are required to take and pass the Oakland Police Department's False Alarm Prevention Test in order to be placed back on response for alarm dispatches. Information is provided for you at the end of this presentation.

Protecting our Schools

Oakland Police Requirements

- OUSD has approximately $188,000.00 in false alarm fines not including late fees.
- We are currently working on payment of these fines.
- Administrators and Principals are required by Oakland Police Department to take the On Line Alarm Test as one of the requirements to be placed back on response.
- Please notify the OUSD Alarm Department when you have completed the online test so we can ensure your requirements have been fulfilled with the Oakland Police False Alarm Reduction Unit.
- You will need your permit number to register your site prior to taking this exam.
- Once completed, please email tammara.cappellano@ousd.k12.ca.us or fax the certificate of completion to 510.436.0706 so we can make sure your site is returned to active response status with Oakland Police.

The Web Site for this exam is at:

http://www.atbservicesonline.com/Oakland/AlarmPreventionSchool.aspx

This class is free and only takes 15-20 minutes of your time

Working together

We need to work together so when the police are dispatched to your site, it's for an actual break-in.

- With Police Departments facing cut backs, lack of funding and high crime rates, we need to make sure they are not being dispatched unnecessarily and that Officer response is valid.
- Buildings & Grounds can not pay false alarm fines that are caused by staff or environmental alarms outside of equipment malfunctions which are rare.
- We will send you emails regarding runaway alarms, and staff caused alarms as they occur. We will also notify you should we be forced to disable security at your site.
- Communication is critical in security and property protection. If you have after hours activities, Civic Center events or school activities, we would appreciate notification so we can identify a user caused false alarm.
- It's a good idea to provide First Alarm's phone number to anyone using the site who has been issued a code for the alarm system. They can always call for assistance, and after hours support. The number is 800.882.5276.

Moving Forward…

- Please make sure that any staff who use your site before or after hours or on weekends, have been assigned a security code for the alarm system.

- Code requests must be requested via email to tammara.cappellano@ousd.k12.ca.us by an authorized administrator. *Phone requests are not permitted.*

- Codes will be processed within 24-48 hours of request and will be emailed back to the staff member once completed with alarm information and code.

- It is the responsibility of Custodians to check and secure the site prior to leaving. Please contact Custodial Services should you find your premise has open windows or doors.

Quick Problem Solving Tips
Keypads

■ The most important thing to check when entering a site is the KEYPAD. It will tell you the current state of the security system.

a. All Secure-This means the alarm is ON

b. Ready To Arm-This means security is off and ready

c. Not Ready To Arm-This means there is a problem in an area that is preventing the system to arm. It could be staff in the building, decorations, fans, heaters, open windows or doors.

Troubleshooting

Not Ready To Arm-When you enter a number, the keypad will scroll a message across the screen showing where the violation is.

Example: *A2-Classrooms 21-26* (*A2-Area 2*)

Check these rooms for hanging items, heaters, fans, open windows etc. If you find the cause and correct it:

The keypad will now say *"READY TO ARM"*

9412 Keypad-Enter your code, and press the ENT Key

8112 Keypad-Enter your code. (No ENT/ESC Keys)

Now What!

You checked EVERYTHING!
You still see NOT READY TO ARM!
In this case, you should force arm the alarm system.

When the security system still reads "NOT READY TO ARM" after checking the noted location, we suggest Force Arming to provide security to all other areas of the site.

Force Arming also reports the troubles on the system to the Alarm Department at Buildings & Grounds so we can pinpoint where the problem is.

Remember: If you can't arm the system and don't try to Force Arm it, we will not see any sign of troubles on your system unless you call in.

Keypad Types

There are 2 types of keypads within our District.

- The 8112 Alarm System has a Command Bar with A,B,C & D on the front.
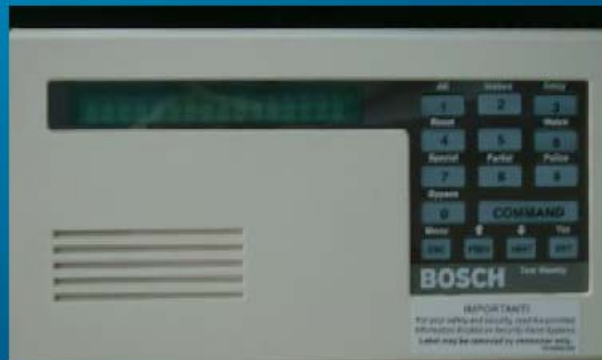- The 9412 Alarm System has ENT and ESC as well a Command Bar.

9412 Keypad Arming

To Arm Normally:

Enter your 4 to 6 digit code, Press the ENT Key, Wait for the "EXIT NOW" message.

To Force Arm:

Enter your 4 to 6 digit code, Press the ENT Key, then Push the ESC Key and ENT again. Wait for the "EXIT NOW" message.

OAKLAND UNIFIED
SCHOOL DISTRICT

Community Schools, Thriving Students

Information Please

- Anytime you need to Force Arm the alarm system, please contact the B & G Alarm Department right away and let us know so we can dispatch our alarm technician out to make repairs.

- The Alarm Department is here to assist you in protecting your site, your property and your safety.

- If you need answers regarding your system, feel free to contact our department at **510-535-2736** we are in from **7:00-3:30.**

- We will make every attempt to email site administration notices when there has been a dispatch at their site, as well as when we receive feed back from Police Services as to causes found for false alarms as soon as possible.

FIRE ALARM INFORMATION

- **OAKLAND FIRE DEPARTMENT DOES NOT RECEIVE OR MONITOR OUSD FIRE ALARMS**

- FIRST ALARM IS OUR MONITORING COMPANY FOR FIRE AND INTRUSION ALARMS

- SHOULD YOU HAVE A FALSE FIRE ALARM, CONTACT FIRST ALARM AND ADVISE THEM. THEY WILL CALL THE ALARM DEPARTMENT AT BUILDINGS & GROUNDS TO APPROVE CANCELLING THE FIRE ALARM

- ALWAYS CALL FIRST ALARM WHEN YOU WANT TO HAVE A FIRE DRILL. THEY WILL PUT YOUR SITE ON "TEST" FOR 30 MINUTES AND WILL NOT DISPATCH THE FIRE DEPARTMENT.

- ALWAYS CALL FIRST ALARM WHEN YOUR DRILL IS COMPLETE TO MAKE SURE THE FIRE SYSTEM HAS RETURNED TO NORMAL.

FALSE FIRE ALARMS

- OAKLAND FIRE DEPARTMENT IMPOSES A FALSE FIRE ALARM FINE BEGINNING AT $450.00 PER DISPATCH AND INCREASE UP TO $1,500.00 PER FALSE ALARM.

- THE FINES INCREASE BASED ON THE AMOUNT OF FALSE ALARMS OUR SITES HAVE.

- OUSD IS REMOVING ALL PULLSTATIONS AT OUR SITES WITH THE EXCEPTION OF 1 PULL STATION IN THE ADMINISTRATORS OFFICE.

- CONTACT OUR ALARM DEPARTMENT SHOULD YOU FIND YOU DO NOT HAVE KEYS TO RE-SET THE PULL STATIONS AT YOUR SITE.

NFPA Code Continued...

- When a site decides to use a room for a different purpose, the fire protection for this room changes.
- The Fire Department must have a current and updated point of location to save our students and staff in case of a real fire.
- Changing a room's designation causes the Emergency Responders to respond to wrong area's where help is needed.

Contacting OUSD Alarm Department

For new code requests or for removal of a staff
Code, please email your request to:

tammara.cappellano@ousd.k12.ca.us

- Codes can only be requested via email.
- Activity reports can only be requested via email.
- Service requests can be processed through IFAS or by contacting the OUSD Alarm Department to see if service is required.

Keep in mind that the alarm department runs all activity reports for any pending or required service calls through out the district. Chances are we have already issued a work order for your fire/intrusion system.