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3 Tower Office PArk  
Woburn MA, 01801  
Main: 781.932.1780 ex. 2604  
Fax: 781.932.1901

11/21/2014

Marie Maruca  
*Town of Pelham – Office of the Selectmen*  
*6 Village Green*  
*Pelham, MA 03076*

Dear Marie,

Kratos Public Safety & Security Solutions, Inc. (Kratos PSS) is pleased to present to you a proposal for a an Access Control system for the Town of Pelham located at 6 Village Green, Pelham MA.

Kratos PSS takes great pride in delivering the best products and services in our industry. Our security professionals have taken great care in selecting the equipment that best suits your situation and will ultimately provide the security that you need.

I would like to thank you once again for this opportunity to work with you and your company to secure your people and assets.

I'd like to speak with you about this proposal to answer any questions you may have. Please reach out to me at 978.501.6631 at your convenience. If I do not hear from you within the next couple days I will give you a call.

We look forward to working with you on this project and any future security needs you may have.

Regards,

Don Costa  
Account Manager – New England  
Don.costa@kratospss.com

## Kratos Public Safety & Security Solutions, Inc. Overview

### Legal Entity:

Kratos Public Safety & Security Solutions, Inc.

Headquartered at:

4820 Eastgate Mall  
San Diego, CA 92121

Kratos Public Safety & Security Solutions, Inc. (Kratos PSS) is an industry leader in security system integration focused on access control, video surveillance, and building automation. We provide a full array of services to our clients such as system design, custom installation, 24/7 technical support, and remote system monitoring. We are a wholly owned subsidiary of Kratos Defense and Security Solutions, Inc. (NASDAQ: KTOS).

## Solutions

We specialize in the design, installation, and service of security and building automation technologies and systems that protect people and property, and make facilities more comfortable and efficient. We offer superior access control, intrusion detection, and perimeter surveillance solutions by providing integrated solutions that leverage our market leading access to the broadest array of industry leading technologies and products.

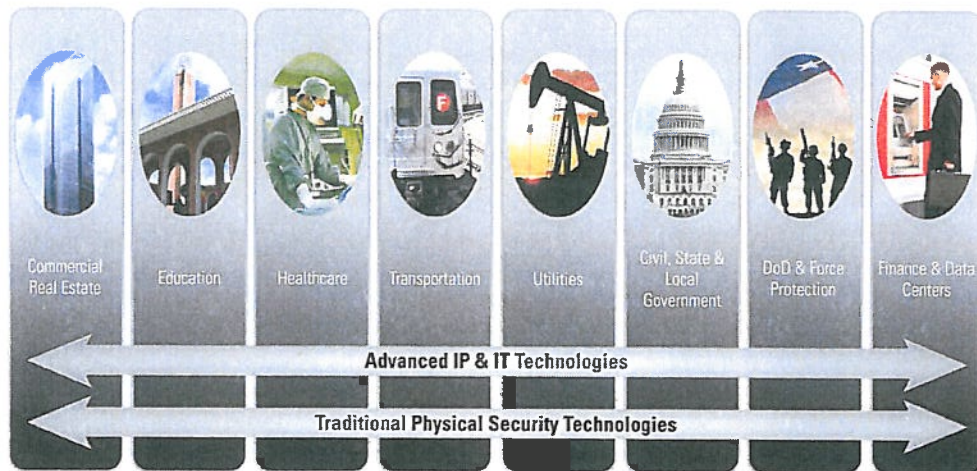


Our services and expertise span the full lifecycle of customer needs, including but not limited to design, implementation, and services including biometrics and card-reader solutions, integrated or standalone badging systems, door hardware, video surveillance, management, and data storage as well as associated advanced software solutions such as video analytics. Kratos PSS has been providing industry leading physical security solutions for over 60 years.

Our solutions and offerings deliver reliable and state-of-the-art solutions. We constantly strive to lead the way and expend significant effort and resources to ensure we update and upgrade our abilities as a security and enterprise systems integrator to deliver cost effective security management systems. We design and implement ideas that enable our customers to add value to their enterprise by enhancing the security of people and assets, increasing productivity, and improving customer services.

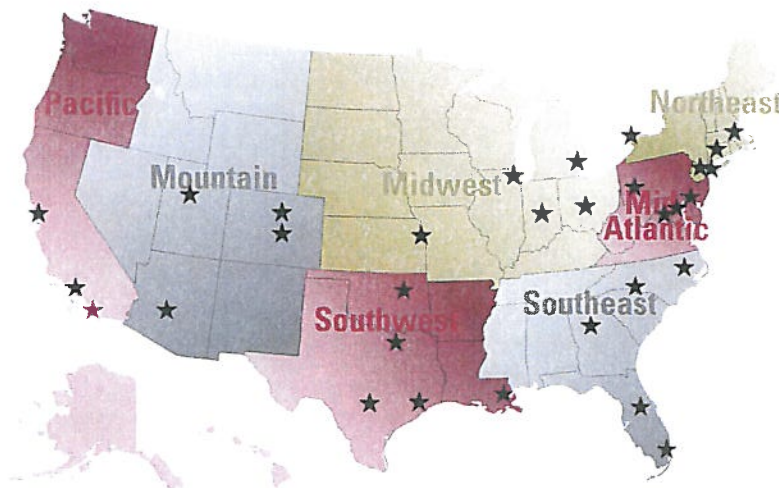
## Industries

Kratos PSS serves eight major markets. These are:



## Locations

Kratos PSS has 32 locations organized in geographic regions nationally—Northeast, Mid-Atlantic, Southeast, Midwest, Southwest, Mountain, and Pacific. The map below depicts the geographic distribution of Kratos PSS locations.



## ***Contact Information***

### ***Sales***

#### **Don Costa**

##### ***Account Manager - New England***

Kratos Public Safety & Security Solutions, Inc  
3 Tower Office Park  
Woburn, MA 01801

781.932.1780 - Office ext. 2604

978.501.6631 - Cell

781.932.1901 - Fax

[Don.Costa@kratospss.com](mailto:Don.Costa@kratospss.com)

[www.kratospss.com](http://www.kratospss.com)

### ***Project Manager***

#### **Brian Pike**

##### ***Project Manager***

Kratos Public Safety & Security  
3 Tower Office Park  
Woburn, MA 01801

781-932-1780 Office

781-932-1901 Fax

978-265-4734 Mobile

### ***Operations Manager / Service Manager***

#### **Greg Xiarhos**

##### ***Territory Ops Manager- New England***

Kratos Public Safety & Security Solutions, Inc  
3 Tower Office Park  
Woburn, MA 01801

781.932.1780 - Office ext. 2602

781.932.1901 - Fax

978.265.3455 - Mobile

[gregory.xiarhos@kratospss.com](mailto:gregory.xiarhos@kratospss.com)





**Proposal for:**

**Town of Pelham**  
*Office of the Selectmen*  
November 21, 2014

**Submitted to:**

**Marie Maruca**  
**Town of Pelham-Office of the Selectmen**  
6 Village Green  
Pelham, Massachusetts 03076

**Submitted by:**

**Don Costa**  
**Kratos Public Safety & Security Solutions, Inc.**  
3 Tower Office Park  
Woburn, MA 01801  
978.501.6631  
Don.Costa@Kratospss.com

[www.kratospss.com](http://www.kratospss.com)

## ***Scope of Work***

***Proposal Name: Town of Pelham – Access Control System***

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**Overview:** Installation of a 10 Security Point Access Control System

Kratos will provide, install and configure all the necessary hardware to satisfy the access control requirements for the Town of Pelham Office of the Selectmen, located at 6 Village Green, Pelham MA.

System designed is in accordance to the RFP provided by Marie Maruca as well as the site survey performed by Kratos.

Kratos will prepare all the doorways for the installation of the hardware including device cut outs, mounting and wiring.

Kratos will provide and install (9) Electrified Strikes and (1) Magnetic Lock.

Hosted Access Control – Kratos will provide and install Bright Blue (Vanderbilt) Hosted Access Control. System Highlights are:

- Web Browser based administration
- Remote door control through web browser
- Expansion up to 32 Security points (doors) with proposed Main Controller
  - Additional Doors available with the addition of more Main Controllers
- Compatible with existing Proximity cards currently being used at the Town of Pelham Police Station

\*See attached Bright Blue Data sheets for further details.

Kratos will provide 100 AptiQ smart cards with Mifare technology. Cards will be able to be printed on using an approved card printer (not included in proposal)

## **Location Details:**

### **Selectmens Office Entrance**

- **Single Wooden Door**
  - Install electric strike
  - Install Multiclass card reader and configure
  - Remove lock mechanism (button) from door handle

### **Welfare Office**

- **Single Wooden Door**
  - Install electric strike
  - Install Multiclass card reader and configure
  - No door/handle modification required

### **Selectmens Office Secondary Entrance**

- **Single Wooden Door**
  - Install electric strike
  - Install Multiclass card reader and configure
  - No door/handle modification required

### **Town Admin Office**

- **Single Wooden Door**
  - Install electric strike
  - Install Multiclass card reader and configure
  - Remove lock mechanism (button) from door handle

### **Finance Directors Office**

- **Single Wooden Door**
  - Install electric strike
  - Install Multiclass card reader and configure
  - Remove lock mechanism (button) from door handle

### **Interior BOS Conference Room**

- **Single Wooden Door**
  - Install electric strike



- Install Multiclass card reader and configure
- Switch Key lock from inside handle to the outside handle

#### **Exterior BOS Office Entrance**

##### **➤ Single Wooden Door**

- Install electric strike
- Install Multiclass card reader and configure
- No door/handle modification required
- Install Card Reader on the Sherburn Hall Side

#### **Employee Entrance**

##### **➤ Single Metal Frame Door with Glass Center (Exterior)**

- Install Magnetic Lock
- Install Multiclass card reader and configure
- Remove Egress Push Bar functionality
- Install Overhead motion sensor for free egress
- Install emergency Push to Exit Button (wiremold down to device)

#### **Tax Collectors Office**

##### **➤ Single Wooden Door**

- Install electric strike
- Install Multiclass card reader and configure
- Remove Deadbolt
- Add key to handle for manual entry

\*Town of Pelham to provide core and key hardware

#### **Computer Room**

##### **➤ Single Wooden Door**

- Install electric strike
- Install Multiclass card reader and configure
- Remove lock mechanism (button) from door handle

##### **➤ Install Head End Equipment**

- Kratos will provide and install the Bright Blue Access Control hardware on the wall space provided.
- Kratos will hang new Plywood to use as a backboard for the new Bright Blue equipment.
- Kratos will run a cat5e Ethernet cable to the existing network switch provided by the Town of Pelham and configure

#### Low Voltage and cabling

Kratos will provide and install all necessary cabling for the proposed Access Control System

#### Training

Included in this proposal is 4 hours of onsite training provided by Kratos. Training will be held the last day of installation unless indicated otherwise. If a separate training time/date is required by Delaware Life then a change order may be entered.

#### Warranty/Service Contract

All hardware comes with the manufacturer's warranty and system support for 2 years. A separate proposal will be issued for an extension of the warranty. Service contracts are available as business hours or 24/7 and are billed annually.

#### Exclusions and Assumptions:

All labor is quoted as normal business hours M-F 8:00am-4:30pm. If after hours work is required an increased labor rate will be applied.

Sufficient 110V power shall be provided in the Computer room by others prior to Kratos installation

All work to be performed using open shop non-union labor

Network drop for Access Control panel to be provided by others and will require termination at the head end location

All cable to be run free above ceiling tiles and self-supported in accordance with electrical code

Proposal excludes conduit work for any aspect of the system

Fire alarm disconnect circuit required for fail safe doors shall be furnished and installed by others. Fire alarm relay to be installed within 3 feet of the access control power supplies.

Customer Responsible for Programming in Employee Names and Access Rights after initial training

# KRATOS<sup>®</sup>

**PUBLIC SAFETY & SECURITY SOLUTIONS, INC.**

KRATOS PUBLIC SAFETY & SECURITY SOLUTIONS, INC.  
17-01 POLLITT DRIVE, FAIR LAWN, NJ 07410  
PHONE: 201-794-6500 FAX 201-794-8341

## Contract

To: Town Of Pelham - Office of Selectmen  
Address: 6 Village Green  
Pelham M/ 30760000  
Attention: Marie Maruca  
mmaruca@pelhamweb.com

Date: November 21, 2014  
Reference #: DC112114A  
Town of Pelham - 10 Security Point  
Access Control System

### Kratos PSS will provide the following services

10 Door Hosted Access Control System - See attached Scope of Work for details.

### EXCEPTIONS/SPECIAL NOTES

Qty	Manufacturer	Part Number	Description	Unit Price	Ext Price
1	VANDERBILT	VBB	MAIN CONTROLLER	\$1,362.67	\$1,362.67
8	VANDERBILT	VBB-RI	READER INTERFACE	\$205.34	\$1,642.72
2	ALTRONIX	AL600ULACM	12/24VDC POWER SUPPLY WITH 8	\$270.94	\$541.88
6	UNITED	1270	12VDC 7AH BATTERY	\$15.47	\$92.82
9	EXCEEDID	MT15	SMART CARD READER	\$150.34	\$1,353.06
1	ASP	ASP-14	Push to Exit Button	\$256.90	\$256.90
2	CSC	112117	Cable, Plen A/C II, Individual Jackets	\$976.63	\$1,953.26
1	KRATOS	MISC-MAT	MISC MATERIALS	\$666.67	\$666.67
9	Bosch	DS-150ITP160	Motion Sensor w/ TRIM PLT	\$66.07	\$594.63
1	ALTRONIX	AL400ULX	Controller Power Supply	\$155.99	\$155.99
100	AptiQ	TBD	aptiQ Smart Card 2K byte/16k bit ISO	\$7.00	\$700.00
9	RCI	TBD	Electric Strike 12/24 VAC/DC Fail	\$233.34	\$2,100.06
1	DynaLock	2011 DSM	Sgl Door Mag Lock with door status	\$317.34	\$317.34
2	RCI	909S-MO	DOOR RELEASE	\$27.80	\$27.80

Material Cost:	\$	11,765.80
Kratos PSS Labor:	\$	14,816.00
Freight & Installation Supplies:	\$	278.00
Subtotal:	\$	26,859.80
Sales Tax:	0.000%	\$ -
Total Cost:	\$	26,859.80

Kratos is pleased to submit this contract for your consideration in accordance with the Kratos terms and conditions. Conditions not specifically stated herein shall be governed by established trade practices. No provisions have been included in the cost of the following: Taxes, fees, bonds, sealed engineered drawings are incorporated hereby.  
This contract is valid for 30 days from the date of issue.

Kratos PSS Signature:

(Authorized Signature and Title)

Print Name

Accepted By Customer:

KPSS Confidential

2:54 PM 11/21/2014

Page 1





The following terms and conditions are entered into between the party receiving this contract ("Client"), and Kratos Public Safety & Security Solutions, Inc. ("Kratos"). Client and Kratos may be referred to herein individually as the "Party" or collectively as the "Parties."

**1. Scope and Compensation.** Kratos shall perform on behalf of Client services as described in the scope of work section above ("Services") and shall be compensated according to the pricing set forth herein ("Fees"). Client shall pay Kratos within thirty (30) days of the date of Kratos' invoice. Any amount in an invoice which is disputed by Client shall be resolved by senior management of the Parties and once resolved, shall be paid within ten (10) days of the date of resolution. Client shall pay interest on outstanding invoiced amounts at the lesser of the maximum amount permitted at law or at the rate of one and one-half percent (1 and ½%) of the overdue amount due per month. Payment of interest on overdue accounts shall not excuse payment of the principal amount. All taxes and similar assessments, levies and government-imposed obligations with respect to Kratos' income derived from its performance of Services shall be paid by Kratos. Client shall pay all other applicable taxes.

**2. Term of Agreement.** The term of this Agreement shall be one (1) year from the Effective Date unless otherwise terminated in accordance with this Agreement.

**3. Warranty.** Kratos warrants it shall perform its Services in accordance with the current standards of care and diligence normally practiced by professionals in performing services of a similar nature. If, during a one (1) year period following the completion of the Services, Client shows that there is an error in the Services as a result of Kratos' failure to meet those standards, and Client has notified Kratos in writing of any such error within that period, Kratos shall perform such corrective services within the original scope of Services as may be necessary to remedy such error.

**4. Equipment.** If Kratos is providing equipment or materials, Client hereby accepts delivery of such equipment or materials at the point of origin at Kratos' freight forwarder and assumes ownership of the equipment or materials at such point. Unless otherwise stated, Kratos, for the protection of Client, shall demand the warranty for equipment or materials, or guarantees for the procurement of services from all vendors and subcontractors to be made available to Client to the full extent of the terms thereof. Kratos' liability with respect to such equipment and materials obtained from vendors or services from subcontractors shall be limited to procuring guarantees from such vendors or subcontractors and rendering all reasonable assistance to Client as part of the Services for the purpose of enforcing the same.

**5. Insurance.** Each Party shall take out and maintain at its own expense all insurance necessary to cover its obligations under the Agreement.

**6. Liability.** Kratos shall hold Client harmless against any and all claims, demands and causes of action for injury to or death of persons or for damage to tangible property (other than property of Client) to the extent caused by the negligent acts of Kratos. Kratos' liability under this Agreement shall not exceed the compensation actually paid by Client to Kratos under this Agreement, and, to the fullest extent permitted by law, Client agrees to release, defend, and hold Kratos and its affiliates and each of their respective successors, assigns, employees, agents, officers and directors harmless from and against any and all further liability arising in any manner from this Agreement and Kratos' performance of the Services. Client agrees to waive, and shall require its insurers to waive, subrogation against Kratos under any applicable policy of insurance. NEITHER PARTY SHALL BE RESPONSIBLE OR HELD LIABLE TO THE OTHER FOR INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS OF PROFIT, LOSS OF INVESTMENT, LOSS OF PRODUCT OR BUSINESS INTERRUPTION, HOWSOEVER CAUSED.

**7. Confidential Information.** Each Party may make available to the other access to certain trade secrets and other confidential technical, business and financial information, including the contents of this Agreement and the Exhibits thereto (collectively, "Confidential Information"). So long as and to the extent that Confidential Information is marked "Confidential" or "Proprietary" (if in tangible form) or is not generally available to the public from other sources, each Party shall safeguard such Confidential Information in the manner in which it safeguards its own confidential information, and shall not disclose Confidential Information to its employees, contractors and agents, except to the extent necessary to enable it to fulfill its obligations under this Agreement. The obligations of this Section 7 shall survive for two (2) years after the termination or expiration of this Agreement. Client shall indemnify Kratos from third party liability arising from any unintended use or unauthorized disclosure.

**8. Termination.** Either Party may, with or without cause, terminate the Services at any time upon ten (10) working days' written notice to the other Party. In either case, Kratos shall be paid costs incurred and fees earned to the date of termination and through demobilization.

**9. Independent Contractor.** Kratos shall perform the Services as an independent contractor.

**10. Force Majeure.** Any delays in or failure of performance by Kratos shall not constitute a default hereunder if such delays or failures of performance are caused by occurrences beyond the reasonable control of Kratos, including but not limited to: acts of God or the public enemy; expropriation or confiscation; compliance with any order of any governmental authority; changes in law; act of war, rebellion or sabotage or damage resulting there from; fires, floods, explosion, accidents, riots; strikes or other concerted acts of workmen, whether direct or indirect; delays in permitting; or any other causes, whether similar or dissimilar, which are beyond the reasonable control of Kratos. In the event such occurrence impacts Kratos' obligations hereunder or causes Kratos to incur additional costs, Kratos' obligations shall be equitably adjusted and it shall be entitled to reimbursement for such additional costs.

**11. Change Management.** Either Party may initiate a change by advising the other Party in writing of the change believed to be necessary. As soon thereafter as practicable, Kratos shall prepare and forward to Client a cost estimate for the adjustment to the price, and a schedule impact of the change, and any effect on Kratos' ability to comply with any of its obligations under this Agreement, including warranties and guarantees. Client shall advise Kratos in writing of its approval or disapproval of the change. If Client approves the change, Kratos shall perform the Services as changed. If Client disapproves, the proposed change may be referred to senior management of the Parties.

**12. Governing Law; Arbitration.** The Agreement shall be governed by and construed in accordance with the laws of Delaware without regard to conflicts of law principles. The senior management of each Party shall first attempt to resolve any dispute arising under this Agreement; if a resolution cannot be reached, the Parties agree to submit such dispute to arbitration under the then current commercial arbitration rules of the American Arbitration Association ("AAA") and conduct the arbitration at a location mutually agreeable to the Parties. The arbitrator's decision shall be final and binding, and may be entered in any court having jurisdiction thereof. Each Party shall pay its own costs and expenses incurred in connection with the arbitration, including legal fees, and each Party shall pay one-half the arbitrator's professional fees and any administrative or filing fees.

**13. Notices.** All notices or other communications to be given by either Party to the other shall be deemed duly given when made in writing and delivered in person or when deposited to the United States mail, postage prepaid, certified, return receipt requested, or sent via confirmed facsimile, and addressed as follows: If to Kratos: Kratos Public Safety & Security Solutions, Inc., Attn: Contracts Dept, 17-01 Pollitt Drive Fair Lawn, NJ 07410, Tel.: (201) 301-6921, Fax: (201) 794-8341. If to Client: at Client's information below. A Party may change its notice information by giving written notice.

**14. Interpretation.** The Parties acknowledge and agree the terms and conditions of this Agreement, including those relating to allocations of, releases from, exclusions against and limitations of liability have been freely and fairly negotiated. Each Party acknowledges that in executing this Agreement they have relied solely on their own judgment, belief and knowledge, and such advice as they may have received from their own counsel, and they have not been influenced by any representation or statements made by any other Party or its counsel. No provision in this Agreement is to be interpreted for or against any Party because that Party or its counsel drafted such provision. In the event that any portion or all of this Agreement is held to be void or unenforceable, the Parties agree to negotiate in good faith to amend the terms of the Agreement to affect the intent of the Parties as set forth in this Agreement. Except as otherwise provided herein, the Parties agree to look solely to each other with respect to the performance of this Agreement. Kratos may have portions of the Services performed by its affiliated entities or their employees, in which event Kratos shall be responsible for and Client shall look solely to Kratos as if such Services were performed by Kratos hereunder. The provisions of this Agreement which by their nature are intended to survive the termination, cancellation, completion or expiration of the Agreement, including but not limited to any expressed limitations of or releases from liability, shall continue as valid and enforceable obligations of the Parties notwithstanding any such termination, cancellation, completion, or expiration.

**15. Miscellaneous.** Until this Agreement is superseded by a mutually agreeable contract executed by and between the Parties, this Agreement shall constitute the complete basis for the Agreement, and supersedes any other representation, understanding or agreement, oral or otherwise, including terms and conditions that may be included in purchase orders issued by Client to Kratos. Any term or condition of any purchase order shall have no force or effect on Kratos or this Agreement. Any failure by either Party to enforce the other Party's strict performance of any provision of this Agreement will not constitute a waiver of its right to subsequently enforce such provision or any other provision of this Agreement. Kratos shall own exclusively the rights to any software, program, algorithm or other copyrightable material that was owned by or licensed to Kratos prior to its execution of this Agreement, regardless of the use or presence of such material in the creation of any work product or deliverable for Client. The warranties, obligations, liabilities and remedies of Client as provided herein are exclusive and in lieu of any others available at law or in equity. Indemnities against, releases from, assumptions of and limitations on liability and limitations on remedies expressed in this Agreement, as well as waivers of subrogation rights, shall apply notwithstanding the fault, negligence (whether active, passive, joint or concurrent), strict liability or other theory of legal liability of the Party indemnified, released or whose liability is limited or assumed or against whom remedies have been limited or rights of subrogation have been waived and shall extend to the officers, directors, employees, licensors, agents, partners and related entities of such Party and its partners and related entities.

**16. Installation Time.** Kratos assumes that the Services will be performed between the hours of 7am to 4pm, Monday through Friday, exclusive of Kratos holidays. Unless specifically stated herein otherwise, Client shall incur additional charges for work required outside of these time frames.

**17. Drawings.** Client shall provide Kratos with an electronic version of drawings for the performance of the Services. Client shall provide Kratos to-scale AUTOCAD drawings in electronic format. If Client cannot provide these drawings, an additional charge may accrue for Kratos to create drawings necessary for the completion of the Services.

**18. Patch/Paint Exclusion.** In the normal process of installation, patching and painting in certain areas may be required. Unless specifically stated herein, Kratos has not included provisions to provide any patching of walls or painting.

**19. Client Responsibilities.** Every contract requires certain parts, pieces, or labor to be provided by Client. Kratos has made every attempt to list the responsibilities of Client in this contract. These responsibilities may include, but are not limited to, AC power connections, lighting conditions, network drops, or IP addresses, and structural integrity.

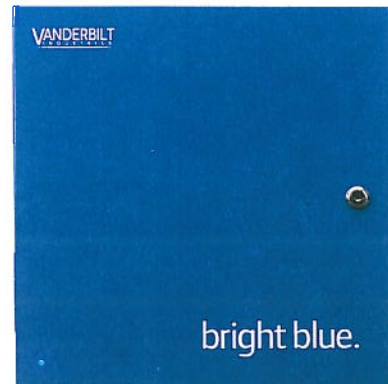
Customer Signature

Date:

## VBB-RI ***bright blue**® Reader Interface*

### OVERVIEW

The VBB-RI offers a cost effective, modular approach to access control system design. The VBB-RI is the bridge between the reader controller and the reader, and is supported by the Vanderbilt Industries **bright blue**® Reader Controller (VBB). The VBB-RI is compatible with several read head technologies and supports facility lockdown and degraded mode.



### FEATURES AND BENEFITS

- VBB-RI connects one reader via RS485 protocol to the VBB reader controller
- Compatible with proximity, smart card, biometrics, magnetic stripe, barcode and Wiegand read head technologies
- Two form C, single pole/double throw, mechanically latching 1A relays (pre-programmed for dedicated functionality)
- Four contact inputs
  - Door exit request
  - Door position switch
  - Push button override
  - Auxiliary input
- Facility lockdown via credential or external pushbutton
- Degraded mode
- Metal enclosure with hinged and dual screw door
- On board connection for tamper switch
- Tamper switch, lock & key option available
- BAA complaint



## SPECIFICATIONS

<b>Dimensions</b>	3-3/16" H x 3-3/16" W x 3/4" D
<b>Enclosure</b>	8.25" H x 7.5" W x 3.5" D
<b>Power Requirements</b>	12VDC to 24 VDC, can be powered from reader controller or locally
<b>Power Consumption</b>	300mA (with read head)
<b>Ambient Temperature (without heater)</b>	32°F – 120°F or 0°C – 49°C
<b>Humidity</b>	10% - 90% (non-condensing)
<b>Maximum Distance to VBB</b>	4,000 feet, RS485 data
<b>Recommended Cable to Read Head</b>	18 AWG/6 COND, stranded, shielded, twisted
<b>Recommended Cable to the VBB Controller</b>	18 AWG/4 COND, stranded, shielded, twisted
<b>NEMA 1 rated enclosure with optional lock and tamper switch</b>	

## ORDERING INFORMATION

**VBB-RI - bright blue®** Reader Interface

## OPTIONS

**VLOCKRI** - Enclosure Lock (comes with (2) keys, tamper switch and cables)

**VANDERBILT**  
INDUSTRIES



#### **bright blue™** IS THE SMART SOLUTION FOR:

- Small and medium commercial offices
- Medical and dental offices
- K-12 schools
- Property management
- Houses of worship
- Retail

#### **bright blue™** SUPPORTED DEVICES INCLUDE:

- Industry standard proximity, smart card and magnetic stripe readers
- Schlage AD-Series networked (hardwired or wireless) electronic locks

#### **bright blue™** SYSTEM FEATURES INCLUDE:

- Support for up to 32 doors and 5000 cardholders
- Pre-configured and network ready
- Application wizards for ease of use
- Standardized reports
- System back-up
- Access anytime, anywhere, with a network connected computer
- Employee access activity monitor
- Anti-passback function to eliminate unauthorized entry
- Facility lockdown via credential or external pushbutton
- Event Notification via email
- Manual overrides to temporarily unlock doors
- Holiday and event scheduling
- Minimal training required
- Door status monitoring
- Built-in web server
- Flashable firmware for future upgrades
- Remote access and administration
- Video integration

# bright blue.

Intelligent Access Management



**VANDERBILT**  
INDUSTRIES

[vanderbiltindustries.com](http://vanderbiltindustries.com)

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01013 07/13



This blue box proves that simple has a shape, and smart has a color.

Introducing a brilliant new innovation in access management: **bright blue™** from Vanderbilt Industries. It's a web-based access control system that gives you the freedom to access, manage and control your facility's points of entry from anywhere. It's powerful. It's affordable. It's easy to use.



#### SPEED.

You'll be up, running and thrilled in minutes.

The design that makes **bright blue™** easy to use also makes it easy to install and set up. Using the plug-and-play approach, **bright blue™** is designed to make configuration hassle free. This simplicity is what sets it apart from other systems.

Everything you need for real security and unmatched accessibility is in the box. Connect **bright blue™** to your existing network and you're in control from anywhere there's internet access.

#### SIMPLICITY.

We worked hard to make **bright blue™** easy.

We obsessed over **bright blue™** so you wouldn't have to. It starts when you set up the system. User-friendly configuration wizards and helpful tips make the process incredibly simple. Training is a breeze, too. Even novice computer users will learn how to log on and start managing access in no time.

With **bright blue™** it's easy to add cardholders and set up new doors. You can even assign personnel access to different doors based on their time schedules, security levels and job requirements. And, because **bright blue™** is a web-based application, you can do it all from any computer with internet access. That means you're free to go wherever business takes you.

#### SECURITY.

What sets **bright blue™** apart is what sets you free.

**bright blue™** is as secure as it is intelligent. Its Linux operating system offers reassuring stability and greater security from external threats. Of course, internal threats have to be considered as well. That's why **bright blue™** also provides User, Operator and Administrator log-on access levels. With **bright blue™** you're in control of what each person is authorized to manage or view. To enhance your security even more, **bright blue's** video integration links card transactions to video, making sure that you're always secure, and always in control.

#### SAVINGS.

**bright blue™** protects your budget, too.

Because **bright blue™** is a web-based access system, it's inherently more cost-effective. There's no need to buy a dedicated computer or new software. Simply plug in the blue box and go.

As your business grows, **bright blue™** will grow with you. You can add new doors and cardholders to the system at any time.



## VBB **bright blue**® Controller

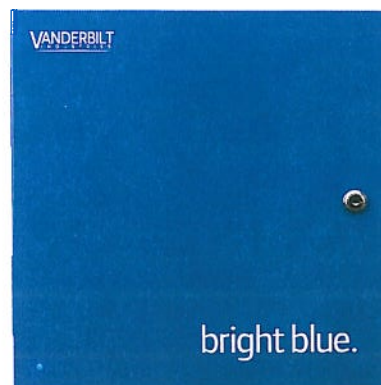
### OVERVIEW

**bright blue**® is a web-based access control system from Vanderbilt Industries. Its embedded intelligence design means it does not require special software installation or a dedicated PC. Any computer running a standard web browser can be used to access, monitor and manage your system. The system's user-friendly design means that anyone can use it, making access control a simple part of your busy life.

This system is web-based so you can access it like any other web page on the internet. **bright blue** comes network-ready and easily connects to your network using an Ethernet port. After the controller is hooked up, you simply use any network-connected computer to access and manage your system. It's web-based design makes installation a breeze.

Everything about Vanderbilt's **bright blue** is easy - from installation and training to system management, support and maintenance. It is user-friendly and reliable. The system provides easy-to-use configuration wizards and help tips so that even novice computer users will be able to set up and navigate their access control system. The configuration wizards allow you to add personnel, set up doors, and assign personnel access to doors based on their time schedules.

Enhance your security system with **bright blue** video integration. When used with bright blue, each card swipe can be linked to video, thereby allowing the user to perform investigations with accuracy.



### FEATURES AND BENEFITS

- Support for up to 32 doors and 5000 cardholders
- Includes 2 on-board reader interfaces for direct connect
- Access anytime, anywhere, with a network connected computer
- Built-in web server
- System back-up
- Anti-passback function to eliminate unauthorized entry
- Facility lockdown via credential or external pushbutton (via VBB-RI or VBB-NRI)
- Event Notification via email
- Degraded mode
- Manual overrides to temporarily unlock doors
- Supports industry standard proximity, smart card and magnetic stripe readers (Wiegand technologies)
- Supports Schlage AD-Series networked electronic locks
- Holiday and event scheduling
- Standardized reports
- Door status monitoring
- Remote access and administration
- Flashable firmware upgrades
- Video integration available
- Includes enclosure, lock and tamper switch
- BAA compliant



## SIMPLE AND SECURE

All User ID's and passwords are protected with security encryption providing you with secure access to monitor, control and manage your system's personnel data, transactions, and activities.

**bright blue** provides you with three log-on access levels including User, Operator and Administrator. Each level provides a different set of access rights to the system. That way, system users will only be able to access functions that you want them to manage or view. The **bright blue** controller is also built on a Linux operating system, which means that your system is very stable and secure from external threats.

## ECONOMICAL

**bright blue** is not only simple, but saves you money too! The web-based application eliminates the need for a dedicated PC and software as with conventional access control systems.

## SPECIFICATIONS

<b>Supports up to 32 devices</b>	2 on-board reader interfaces included on controller panel
<b>Supports magnetic stripe, proximity and smart card technologies</b>	
<b>Operating System</b>	Linux
<b>Microprocessor</b>	400 MHz Atmel ARM9-based AT91SAM9G46
<b>Encryption</b>	SSL
<b>Web-browsers Supported</b>	IE v7.0 - 11.0, FireFox v3.6 - 30, Apple Safari v6.1 (OS X only) and Google Chrome v 36 (IE Tab extension required)
<b>Ethernet</b>	10/100 Base-T
<b>Supports DHCP or Static IP addressing</b>	
<b>256 MByte NAND Flash and 128 MByte of DDR2 SDRAM</b>	
<b>Power Requirements</b>	12VDC to 24 VDC
<b>Power Consumption</b>	500mA (excluding peripheral devices)
<b>Operating Temperature</b>	0°C to 70°C; 32°F to 158°F
<b>Humidity</b>	10% to 95% RHNC
<b>Board Dimensions</b>	9.5" H x 11.5" W
<b>Enclosure Dimensions</b>	14" H x 14" W x 3.5" D
<b>Rating</b>	NEMA 1 rated locking enclosure with tamper switch

## ORDERING INFORMATION

VBB - **bright blue**® Controller

**VANDERBILT**  
INDUSTRIES



*aptiQ*

aptiQ™

Multi-technology readers



## Overview

aptiQ™ multi-technology readers by Allegion are designed to simplify your access control solutions. Transition your system from proximity to smart card technology at your own pace without having to change out readers as new technologies are available. aptiQ readers handle all applicable ISO standards (14443A, 14443B, 15693), are FIPS 201-1 compliant and are versatile enough to read 125kHz proximity and 13.56MHz contactless smart cards in a single unit. aptiQ multi-technology readers interface with aptiQ smart credentials (MIFARE® classic and MIFARE DESFire™ EV1) and can read the card serial numbers of a variety of smart cards from other manufacturers, making your next upgrade in technology simple and seamless. Additionally, aptiQ readers are already NFC compatible and able to communicate with NFC-enabled phones whenever you're ready to take that step.






aptiQ multi-technology readers use an open architecture platform designed to work with industry standards and common access control system interfaces. Multiple aptiQ reader form factors are designed to fit a variety of placement needs, with an attractive modern design which will complement any facility's architecture and décor. aptiQ readers are very easy to install with the quick-connect design and a standard wiring color scheme that most technicians are already accustomed to. But if you do have questions, you'll never worry about lack of service or assistance. As always, our knowledgeable sales and support staff is ready to assist you with any design or technology questions you may have.

Note: Magnetic stripe multi-technology readers also available.

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## Features and benefits

- Accommodates interior, exterior, metal, and non-metal installation environments
- Recognizes most proximity credentials, and aptiQ smart credentials (MIFARE® classic and MIFARE DESFire™ EV1)
- FIPS 201-1 compliant
- NFC compatible, reads aptiQmobile™ credentials
- Quick-connect design for easy installation
- Simple wiring – color scheme is identical to most readers in the market
- Easy-to-install mounting bracket
- Tri-state LED (red, green, amber) visual indicator and audio feedback representing status and activity information, easily discernible for the audibly or visually impaired
- Wiegand output for simple interface with most access control panels
- Multiple reader cover color options
- Limited lifetime warranty
- Multi-technology readers may also be ordered with RS-485 capability

						
Model*	PR10	SM10	MT11	MT15	MTK15	
Reader type	Proximity mini-mullion*	Smart mini-mullion*	Multi-technology mullion	Multi-technology single gang	Multi-technology single gang keypad	
Frequency	125 kHz	13.56 MHz		13.56 MHz and 125 kHz		
FIPS 201-1 compliant	No			Yes		
Standard default PIV output	N/A			75 bit PIV**		
Standards	N/A			ISO 14443A, 14443B, 15693		
Certifications	FCC Certification • IC Certification • UL 294 Listed • R&TTE Directive (15 EU Countries) • CE Mark • IP65					
Voltage range				5-16 VDC		
Power supply				Linear DC		
Current requirement (at 12 VDC and 25 C; mAmps)	Avg. 65 mA Peak 110 mA	Avg. 95 mA Peak 195 mA	MT11 Avg. 100 mA Peak 170 mA	MT11-485 Avg. 115 mA Peak 145 mA	MT15 & MT15-485 Avg. 120 mA Peak 200 mA	MTK15 and MTK15-485 Avg. 120 mA Peak 230 mA
Read range	Proximity: Up to 3" (7.5 cm)	MIFARE: Up to 3" (7.5 cm) DESFire EV1: Up to 2" (5.1 cm)	Proximity: Up to 5" (12.7 cm) MIFARE: Up to 4" (10 cm)	Proximity: Up to 5" (12.7 cm) MIFARE: Up to 4" (10 cm)	DESFire EV1: Up to 2" (5.1 cm) PIV credential: Up to 2.5" (6.5 cm)	
Cable specification				18 AWG, 5 conductor stranded/shielded		
System interfaces	Wiegand	Wiegand / Clock & Data		Wiegand / Clock & Data / RS-485*** (OSDP)		
Cabling distance				Wiegand output: 500 ft. (152 m)		
Physical dimensions (H x W x D)	4.26" x 1.72" x 0.81" 10.8 cm x 4.4 cm x 2.1 cm	4.26" x 1.72" x 0.81" 10.8 cm x 4.4 cm x 2.1 cm	5.91" x 1.72" x 0.81" 15 cm x 4.4 cm x 2.1 cm	5.1" x 3.25" x 0.76" 12.9 cm x 8.3 cm x 1.9 cm	5.1" x 3.25" x 0.76" 12.9 cm x 8.3 cm x 1.9 cm	
Operating temperatures				-40° to 158°F (-40° to 70°C)		
Weight	4.1 oz	3.9 oz	5.7 oz	9.1 oz	9.3 oz	
Material				PBT Polymer		
Technologies supported in default mode						
Schlage Proximity	■		■	■	■	
XceedID™ Proximity	■		■	■	■	
HID® Proximity	■		■	■	■	
GE/CASI ProxLite®	■		■	■	■	
AWID® Proximity	■		■	■	■	
LenelProx®	■		■	■	■	
aptiQmobile		■	■	■	■	
Schlage MIFARE®		■	■	■	■	
XceedID MIFARE®		■	■	■	■	
aptiQ smart cards using MIFARE™		■	■	■	■	
aptiQ smart cards using MIFARE DESFire™ EV1		■	■	■	■	
DESFire® CSN		■	■	■	■	
HID iCLASS® CSN		■	■	■	■	
Inside Contactless PicoTag® CSN		■	■	■	■	
ST Microelectronics® CSN		■	■	■	■	
Texas Instruments Tag-It® CSN		■	■	■	■	
Phillips I-Code® CSN		■	■	■	■	

## Color options



- \* Some features and benefits listed on the front may not be applicable to the smart-only and proximity-only readers.
- \*\* Other output options available through configuration.
- \*\*\* RS-485 model numbers include \*-485\* after the original model number. For example, MT11-485 is the RS-485 version of the multi-technology mini-mullion reader. Multi-drop, Open Standard Device Protocol (OSDP).

## About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a \$2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises 27 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®. For more, visit [www.allegion.com](http://www.allegion.com).

aptiQ ■ LCN ■ SCHLAGE ■ STEELCRAFT ■ VON DUPRIN



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## **MODELS TS-14 and TS-14N**

**PNEUMATIC TIME DELAY REQUEST TO EXIT STATIONS**



**TS-14**  
Single Gang



**TS-14N**  
1.75" Wide

Pneumatic time delay operator does not require power for timing function.

- 1.5" Green mushroom button
- One Normally-Open contact pair and one Normally-Closed contact pair
- Contacts rated 10A @ 35VDC
- Time range settable between 2 and 60 seconds
- Switch time is repeatable  $\pm 10\%$
- Switch mounted on a single gang stainless steel electrical plate
- UL listed components
- Temperature range +15°F to +120°F
- Switch depth 2.25" behind plate



*Alarm Controls*  
19 Brandywine Drive  
Deer Park, New York 11729  
(800) 645-5538  
[www.alarmcontrols.com](http://www.alarmcontrols.com)

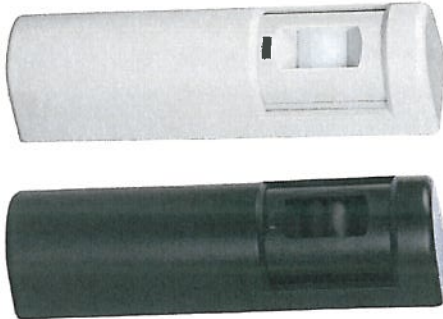


**ASSA ABLOY**, the global leader  
in door opening solutions



**BOSCH**  
Invented for life

# DS160 Series High Performance Request-to-exit Detectors



- ▶ Door monitor with **sounder alert**
- ▶ Sequential Logic Input (SLI)
- ▶ Internal vertical pointability
- ▶ Wrap-around coverage pattern with precise pattern control
- ▶ Up to 64 second adjustable latch time
- ▶ Selectable relay trigger mode
- ▶ Selectable fail-safe or fail-secure modes
- ▶ Adjustable sounder volume
- ▶ Activation LED

The DS160 Series consists of the DS160 Detector (light gray) and the DS161 Detector (black) specifically designed for Request-to-exit (REX) applications. With features such as timers, door monitor with sounder alert, and pointable coverage, the DS160 and DS161 have the flexibility to meet the most stringent REX requirements. The exclusive Sequential Logic Input (SLI) provides added security that is not offered in any other REX device.

## Sounder Alert

An integrated sounder can be programmed to activate if the door is left open too long. The sounder volume is fully adjustable to 85 dB.

## Keycard Input

The keycard input allows the sensor relay to be controlled from an external source, such as an access control system or card reader.

## Functions

### Sequential Logic Input (SLI)

The SLI terminal allows connection of a second device to require sequential detection. This eliminates the possibility that an object that is slid through the door or underneath the door will activate the detector. This input can also be used to lock the sensor if motion is present outside the premises.

### Door Monitor

The sensor can monitor a door contact to allow special control of the internal relay. For example, if the door is opened within the relay time period, the sensor can be programmed to halt the timer. If the door is not opened within a specific time period, the relay can be programmed to deactivate.

## Certifications and Approvals

Region	Certification	
Europe	CE	2004/108/EC EMC Directive; 2006/95/EC Low-Voltage Directive; EN50130-4:1995 +A1:1998 +A2:2003/JULY 2011, EN55022:2006 +A1:2007 +A2:2010/JULY 2011, EN60950-2:2006 +A1:2009 +A1:2010/JULY 2011
USA	UL	ALVY: Access Control Systems Units (UL294)
Europe	Complies with EN50131-1 Grade 2	