

CALDERWOOD CONNECT

Linking you to the Industry

**CALDERWOOD
AUTOMATION IS YOUR
DEPENDABLE BUILDING
AUTOMATION SERVICE
PROVIDER**

- Systems Design and Integration
- Project Management
- Service and Installation
- Field Commissioning
- Technical Support
- Customer Training
- Consultation

**CALDERWOOD
AUTOMATION IS A MEMBER
OF:**

- Kingston Construction Association (KCA)
- The Heating, Refrigeration and Air Conditioning Institute of Canada (HRAI)



Industry News

Operation, Startup or Maintenance of CFC-Based Chillers in Ontario is Illegal

Representatives of the Heating, Refrigeration and Air Conditioning Institute of Canada (HRAI) met with the Ontario Ministry of the Environment (MOE) in April to clarify this regulatory situation. MOE confirmed that it is illegal to operate a CFC-based chiller after January 1, 2012. There are no exceptions to the rule. Furthermore, contractors who startup or maintain a CFC-based chiller could be fined under the terms of the regulation and the Ontario Environmental Protection Act. A letter from MOE is made available by HRAI which clearly states the interpretation of the regulation, and the penalty for starting up or maintaining a CFC-based chiller. Additional instructions are provided by HRAI if your company services chillers in the Province of Ontario. The letter and recommended actions are available at www.hrai.ca or feel free to contact Calderwood for further information.

Source: www.hrai.ca



Habitat for Humanity Kingston & Frontenac

Habitat for Humanity provides selected families with low income, currently living in inadequate housing, an opportunity to earn their way toward home ownership. It takes resources from other families, local businesses, organizations and individuals to build simple, affordable and energy-efficient homes. These projects are made possible through volunteers, financial donations, and profits from the Habitat for Humanity ReStore, etc. The HRAI Loyalist Chapter has pledged assistance to the 2012 Build in the Village of Bath (126 & 128 Sir John Johnson Drive). The chapter is seeking YOUR help to make this pledge a reality! For more information, contact:

Jim Wood, HRAI Loyalist Chapter President
E-mail: jwood@mckeownandwood.com
Phone: (613) 354-6505

New Products

Variable Speed Drives

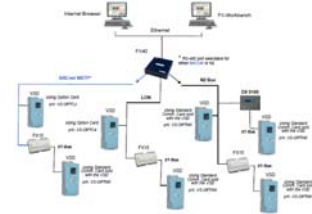
The Johnson Controls VSD Series of variable speed drives offer a broad range of competitively priced open drives specifically engineered for Heating, Ventilating and Air-Conditioning (HVAC) applications. The modular construction allows the VSD Series to be flexibly adapted to customer requirements. The result is reduced installation time and costs, and the smallest, lightest bypass offering in the HVAC industry. Features include: compatibility with Johnson Controls network architecture, closed-loop control programmed for HVAC specific applications, communication cards provide plug-and-play functionality for N2, XT Bus, BACnet, and LonWorks, removable keypad and I/O card terminals, etc. The standard warranty is 27 months from the date of shipment, or 39 with certified start-up. To receive the 3rd of warranty, each drive must be started up by Calderwood. Please contact us for more information.



TYPE 1 OR TYPE 12
OPEN DRIVE

Tech Corner

Variable Speed Drives (VSD) when installed correctly and utilized effectively improves energy efficiency of motors. Traditionally, in order to get VSD control points on the Building Automation System (BAS), VSD points are hardwired, such as frequency set-point, start/stop, faults, and etc. These points are then connected to a field controller on the BAS. The cost benefit for this option is elementary, considering the extra functionality. In addition to the points previously mentioned, you receive reference speed, bypass mode, reset drive fault, kilowatt hours, motor speed, etc... approximately 55+ software points at your finger tips. With a typical 3-wire, twisted pair, shielded cable to connect the VSD to the BAS network and some configuration by Calderwood, you're instantly online and able to adjust parameters, reset alarms, and read diagnostics.



AUTHORIZED BUILDING
CONTROLS SPECIALIST



Automation and Control Specialist



200 Industrial Blvd., Napanee, ON
Phone: (613) 354-1170, Fax: (613) 354-2997
www.calderwoodautomation.com

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CALDERWOOD AUTOMATION PROUDLY SPONSORS

- Napanee District Minor Hockey, www.ndmha.ca
- The Jeanine Perry Memorial Golf Tournament, www.perrygolftour.com
- Lennox & Addington County General Hospital Benefit Golf Tournament
- Annual Loyalist College Golf Tournament



If you have any questions or would like more information, please email us at:

info@calderwoodautomation.com



Calderwood NEWS

VSD Commissioner Certification

In this edition of Calderwood Connect we have briefly discussed the Variable Speed Open Drive (VSD) series product from Johnson Controls (JCI) and the benefits of integration with a Building Automation System (BAS). Recently two of our technicians attended and successfully completed a three-day VSD Commissioner Certification training in Ottawa. This course provides factory authorized training to personnel responsible for the installation and commissioning of VSD products from JCI. The instruction provides a high level of technical detail related to the set-up and operation of three-phase motor industrial drives. As a result of this achievement, Calderwood can continue offering a one-year extension to the standard two-year warranty available for all VSD products from JCI.

Full Range of Drive Solutions



Variable Speed Drives Available:

- Open Drives
- IntelliPass Drives
- Enclosed Drives
- MicroDrives

ION Enterprise Training

The building automation industry continues to be shaped by the ability of companies like Calderwood to deliver integration solutions. Integrating with utility meters, like power, is proven beneficial when you can track real-time power usage and conditions to scale back or increase a temperature set point, or turn off a piece of equipment during peak demand periods. On this note, Calderwood has decided to stand behind Schneider Electric's PowerLogic ION metering and monitoring products and solutions. To support this offering we have recently attended and successfully completed the Regional ION Enterprise Overview training in Toronto. This three-day course focused on how to set-up, program and use ION Enterprise, ION revenue meters, and ION Setup software.



Recently Completed Projects:

RMC - Girouard & Sawyer Renovations, Frontenac Institute Upgrade Air Handler Control, Vantage Foods (Belleville), Hydro One Operations Centre (Picton)

Current Projects:

CFB Trenton Mountainview, CFB Trenton Mountainview Water Distribution, CFB Petawawa Andover Replacement Phase 3, Frontenac Institute New Generator, Collins Bay Institution New Generator, Collins Bay Institution CBB11 - Maximum Security Housing Unit, Cornwall Community Hospital Redevelopment, Utilities Kingston Service Garage, RMC Girouard & Sawyer Mods 3, 4, 5

Upcoming Events

- HRAI Annual Meeting & Conference, www.hrai.ca
- Construct Canada, www.constructcanada.com
- SkillTech Academy Training and Education, www.hrai.ca
- AHR Expo, www.ahrexpo.com

Industry Links

- Johnson Controls, www.johnsoncontrols.com
- Honeywell, www.customer.honeywell.com
- Leviton, www.leviton.com
- HVACR Controls Training, www.hrai.ca
- BACnet, www.bacnet.org
- ASHRAE, www.ashrae.org



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