



2011 SPRING TRAINING REGISTRATION

NAME _____ COMPANY NAME _____

You may register on-line at www.mmcontrols.net

PHONE _____ FAX _____

ADDRESS _____ STATE _____ ZIP _____

EMAIL _____

STUDENT	COURSE#	LOCATION
_____	_____	_____
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Register 3 or more students from the same company and receive a \$50* discount per student.

*\$50 discount is only for classes 2 days or more

PAYMENT METHOD

Company PO # _____

Check Enclosed
check# _____

Credit Card# _____

VISA MC AMEX EXP Date: _____

TOTAL AMOUNT PAID \$: _____

New Cancellation Policy
Payment must be received prior to attending class. Cancellations are subject to additional charges. No Cancellations will be accepted 1 week prior to the scheduled class.
No refunds for missed classes.

If you have any questions concerning registration please call our training coordinator Ann Fadoul at 410-252-1221. Email: afadoul@aireco.com

M & M Controls

9-E West Aylesbury Road • Timonium, MD 21093

PH. 410.252.1221 • FAX 410.252.5918

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M & M Controls ■ 9-E West Aylesbury Rd. ■ Timonium, MD 21093 ■ www.mmcontrols.net



Mail to:

Blank area for mailing address.



All classes are held at Timonium, MD and Springfield, VA locations.

All full day classes include morning and afternoon refreshments as well as lunch. The half day sessions include morning refreshments.

HONEYWELL WEBVISION

3 day 7:30 a.m. to 4:00 p.m. \$695.00 per student

April 12-14 Springfield

May 3-5 Timonium

Webvision is a web-based building manager device that allows contractors and facility managers to configure, view and command HVAC controllers installed in their sites. It communicates over the LonWorks network to perform building management control of various devices and controllers through Web browser without the need for proprietary software.

In this hands-on class, students will participate and learn to:

- Discover unitary controllers connected to Webvision
- Configure controllers using configuration wizards
- Configuration, setup, and routing of alarms
- Setup, configure and display trends on points
- Create and assign schedules
- Review Demand Limit Control (DLC)
- Manage access to information through user privilege setup

***Note: Webvision is available only to contractors participating in the Honeywell CAC program.

Please ask a customer representative for details.

Prerequisites: None Course Length: 24 hours Tuition: \$695.00 per student

VLV106 - Valve-Damper Selection

1/2 day 7:30 a.m. to 11:30 a.m. \$95.00 per student

April 19 Timonium

This class is intended for the design or field technician who specifies, selects or services valve and damper components.

Students will gain knowledge on:

- Valve types and piping schemes
- Valve sizing labs
- Matching correct valve application
- Valve construction and components
- Damper options and selections
- Damper sizing

Prerequisites: None Course Length: 4 hours Tuition: \$95.00 per student

AHU Control Application

1/2 day 7:30 a.m. To 11:30 a.m. \$95.00 per student

April 21 Timonium

This class is intended for the HVAC control technician to give them a thorough understanding of Air Handling Unit controls and sequence of operation. The content covered in this class can be applied to any type of control system ranging from Pneumatics to DDC. This course will cover:

- Basic AHU Design
- Mixed Air Control
- Economizer and Free Cooling
- Hot and Chilled Water Coil
- DX Cooling
- Static Pressure Control
- Discharge Air and Zone Control
- And more

Prerequisites: None Course Length: 4 hours Tuition: \$95.00 per student

PNEU201 - Pneumatic Controls Fundamentals

2 day 7:30 a.m. to 4:00 p.m. \$425.00 per student

April 26-27 Springfield

May 16-17 Timonium

This class will be hands on, teaching the basic skills needed to service pneumatic control systems

Students will learn:

- Basic Air Supply Requirements
- Thermostat Operation and Calibration
- Relay and Auxiliary Devices
- Valves and Damper Operation
- Receiver-controller Calibration and Setup

The fee includes all materials, handouts and calibration tools.

Prerequisites: None Course Length: 16 hours Tuition: \$425.00 per student

MET111 - Johnson Controls Metasys ASC Controller

2 day 7:30 a.m. to 4:00 p.m. \$425.00 per student

May 9-10 Timonium

This course is intended for contractors who currently use or are interested in servicing, installing and programming direct digital controls using Johnson Controls ASC (Application Specific Controllers). This does not include the use of network supervisory controllers.

Course Outline:

- Controller Hardware
- General wiring practices
- Methods of Communications
- Create database using HVACPRO software
- Downloading and commissioning of controllers
- Review of N30 Supervisory control

We will provide laptop computers for the class.

Prerequisites: A good understanding of HVAC control applications and Windows based programs.

Course Length: 16 hours Tuition: \$425.00 per student

WIN101 - Using Windows Effectively for HVAC Technicians

1/2 day 7:30 a.m. to 11:30 a.m. \$95.00 per student

May 11 Timonium

This course is designed for the HVAC technician who is starting to use a computer to interface, download, program and commission today's microprocessor based DDC controls. Topics include:

- Operating systems
- File systems
- Navigation and shortcuts

Prerequisites: Basic keyboard and mouse skills. Course Length: 4 hours Tuition: \$95.00 per student

NET201 - Networking for Building Automation Systems

1/2 day 7:30 a.m. to 11:30 a.m. \$95.00 per student

May 12 Timonium

This course is an introduction to the basic concepts of data and computer communications necessary to build network infrastructure for today's Building Automation Systems. Topics covered are:

- Network protocol overview
- Internet protocol and addressing TCP/IP
- Data transmission
- Transmission media
- Client-Server application
- Communications switching and routing

Prerequisites: WIN101 or 2 years PC experience. Course Length: 4 hours Tuition: \$95.00 per student

Introduction to DDC

1/2 day 7:30 a.m. to 11:30 a.m. \$95.00 per student

May 31 Timonium

This class is intended for HVAC technicians who want to explore and gain understanding into the world of DDC controls.

Major topics covered are:

- DDC History
- System Architecture and Layout
- DDC Controller Types
- Input-Output Wiring Practices
- Controller Logic and Programming and many more

Prerequisites: None Course Length: 4 hours Tuition: \$95.00 per student