

DDC Controls Basics

- History
- State of the industry
- Control systems types
- Hardware basics
- Software basics
- Open systems
- Review of two live, real sites

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Presenter's Background

Joe Jackson

- 5 years - commercial HVAC technician with large Midwest based mechanical contractor
- 7 years - factor applied product support team with the Trane Company
- 8 years - controls systems technician, engineer & sales support with the Trane company
- Current – Vice President of Custom Controls for Jackson Systems

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History of Controls

- Electronic / Electronic controls 
- Pneumatic controls 
- Direct digital controls (DDC) 
- Wireless 

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Controls - State of the industry

- True interoperability
- Internet-based systems (no software required)
- Complete Building Management
- Improved Temperature Control



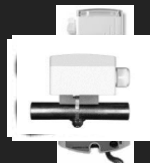
Control Systems Types

- BACnet (Building Automation and Controls Network)
- LonWorks (Local Operating Network)
- Modbus
- Proprietary
- Non DDC



Basic Hardware Overview

- Inputs
- Outputs
- Wireless
- Configurable controllers
- Programmable controllers



Open Systems

- What makes an open control system
- Why are open control systems important to you & your customers

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Review of a Live Site

- Frankfort Elementary Schools
- Rensselaer High School

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Questions

Thank you for coming

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