AEE March Event (Luncheon)

Register today:

Open Protocols versus Open Systems -- What is the Difference

March 28, 2019 11:30AM to 1:00PM

Members \$25.00 - Non Members \$35.00—Students \$15.00

Location: Gaetano's Banquet Center & Catering

1617 Banksville Rd, Pittsburgh, PA 15216(412) 576-2761

Presenter:

Ken Smyers

DMS Controls Group, LLC VP, Sales Engineer

Experience: Co-owner of DMS Controls Group with over 30 years of Industry experience. Co-founder of ControlTrends

Awards

Certifications: Talon Operations, Niagara AX/N4, Vykon and WEBs Enterprise Security and Occupational Safety Certified

Education: Master of Science in Administration, Central Michigan University

Memberships: Realcomm/IBcon Advisory Council, Controls Group North America System Committee, WPFDA Association

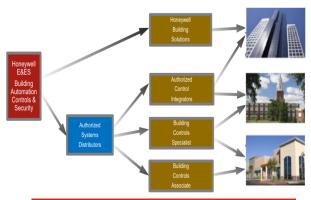
Open Protocols versus Open Systems -- What is the Difference

Open Protocol," as described by ASHRAE, provides a means by which computerized equipment may exchange information, regardless of the particular building service it performs, with other computerized equipment. As a result, an "Open Protocol" may be used by mobile and cloud-hosted devices, head-end computers, general-purpose direct digital controllers, and application-specific or unitary controllers with equal effect. Unfortunately, specifying "Open Protocols" does not assure an "Open System

Agenda

- § Introduction
- § Building Management System Architectures
- § Why are Open Protocols & Systems Important?
- § Definition of Open Protocols & Open Systems
- § DDC Controllers and Programming SW
- § Integration of Multiple Products

Open Choice Contracting Partners



Standardize on a common platform, devices & tools and still obtain competitive quotes

Typical BMS Architecture — Field Controllers Enterprise Server & Energy Analytics Station FIELD CONTROLLERS. FIELD CONTROLLERS are defined as microprocessorbased controllers that communicate to the MASTER CONTROLLER via an 'Open Protocol' (i.e. Lon, Bachen MSTP or MODBUS) or via proripitary protocol. FIELD CONTROLLERs are the devices that actually control mechanical equipment such as AHJs, RTUs, VAV Boxes, Heat Pumps, Biolier, Chillers, etc. Since FIELD CONTROLLERS are microprocessor-based, they require a programming tool. Key Questions for the Building Management System Contractor: From how many qualified Contractors in my market (50 mile radius) can I purchase the FIELD CONTROLLERS and PROGRAMMING SOFTWARE? ON The Controller's From how many qualified Contractors in my market (50 mile radius). Where does the Programming Software and backup Programs reador? Where does the Programming Software and backup Programs reador? Not do Owners and Contractors gain access to the Programming Tools & Devices?