



# LIBERTY ELECTRIC PRODUCTS

## ***ELECTRIC HEATING AND VENTILATION Continuing Education and Training Programs***

**Complimentary “Lunch & Learn” presentations for architect and engineering firms, private companies (contractors/distributors), and public sector agencies**

The concept is simple – select a presentation from the list below and our Liberty Electric Products subject matter expert will come to your office, will provide lunch or breakfast, and will spend 45-60 minutes sharing their knowledge, expertise, and experiences with your team.

This program is designed to educate participants and provide a comprehensive understanding of the various activities involved with each of these topics ranging from code compliance to installation instructions. You may also request a customized presentation that can address your specific needs along with a mixture of the below topics.

Many of our classes qualify for 1.0 professional development hour (PDH) for professional engineers and/or 1.0 learning unit hour through the American Institute of Architects (AIA).

### **ELECTRIC HEAT TRACE TOPICS**

- Electric Heat Trace Snow Melting for Safer Buildings (\*PDH Credits Available)
- Floor Heating System Design to Offset Heat Loss in Multistory Buildings
- Understanding the Codes and Standards Governing the Design and Installation Of Electric Heat Tracing
- Using Electric Pipe Trace Products and Controls to Improve Process Efficiency and Freeze Protection
- The Differences in Electric versus Hydronic Snow Melting Systems in Commercial Applications
- Using Underfloor Electric Heat in Remodeling Projects to Save on HVAC Costs

### **ELECTRIC PROCESS HEATING TOPICS**

- Heating Solutions for Large, High-Temperature Industrial Applications
- How SCR Power Controllers Can Reduce Heating Costs, Improve Process Control, and Extend Heater Life
- Electric Heating Products and Control Systems for Use in Hazardous Environments
- Tank Heating Fundamentals and Offsetting Losses on Tanks, Vessels, and Pipes

### **ELECTRIC COMFORT HEAT TOPICS**

- The Use of Electric Supplemental Heat to Extend the Life of the HVAC System
- The Different Types of Infrared Heating Systems and the Most Effective Applications for Each
- Room Sizing Guidelines by Size and Watt Density for Electric Comfort and Infrared Heaters

### **VENTILATION & AIR EFFICIENCY TOPICS**

- Building Destratification Techniques and Products - A Complete Guide
- How Air Doors Make Buildings More Energy Efficient, Help Achieve LEED Points, and Meet IECC Codes
- Air Doors as a Doorway Safety Solution and as Compliance with the USDA Sanitation Standards
- Using AMCA Certified Air Curtains in Place of Expensive Vestibules (2015 IECC Code)

### **HAND DRYER TOPICS**

- Barrier-Free Restroom Design Strategies Utilizing Optimal Hand Drying Solutions (\*AIA/HSW Accredited)
- Innovations in Hand Dryers: Improvements and Impacts on Sustainability (\*AIA Accredited)
- ADA Compliance When Specifying Hand Dryers and Their Installation (\*AIA Accredited)

## ELECTRIC HEATING AND VENTILATION PRODUCTS

**Chromalox, Inc.** - Immersion & Component Heaters, Unit Heaters, Comfort Air and Radiant Heaters, Pipe Tracing and Snow Melting, Hot Water/Oil Steam Boilers, Heat Transfer Systems, Class 1 Div 2 Heaters, Tank Heaters, MI Cable, Roof and Gutter Deicing, Washdown Corrosion Resistant Heaters

**\*\*SELF REGULATING HEAT TRACE STOCK IN SYRACUSE FOR SAME/NEXT DAY DELIVERY\*\***

**QMark/Berko** - Electric Comfort Heat, Baseboard, Fan Forced, Radiant, Ceiling/Wall Units, Portable Heaters, Under Desk Heaters, Architectural Heaters, Convector Heaters, Unit Heaters, Thermostats and Controls

**Berner** - Air Doors/Curtains, Air Entrance Systems, Fabric Duct, Hazardous Location and Sanitation (NSF) Certified Air Curtains, PVC Strip Curtains, Swinging Doors for Walk-In Coolers, Wi-Fi Enabled Controls

**Air-Row Fans** - De-stratification Fans for Open and Drop Ceilings, Speed and Temperature Controls

**World Dryer** - ADA-Compliant, Fast Drying or Vandal Resistant Hand Dryers and Baby Changing Stations

**Envira-North Systems** - HVLS Ceiling Fans, Roof Turbines & Fans, Industrial Curtains & Partitions

**Superior Radiant Products** - Gas Fired Low and High-Intensity Infrared Heaters for all Industries

**HEATTRAK** - Heated Snow Melting Mats & Stair Treads, 120 and 240V, Standard and Custom Sizes

**Unitherm** - Insulation and Heated Covers for Valves, Tanks, and Plastics Equipment

**Optimum Products** - WBE Company that Specializes in Commercial Heat Trace Products

**Soler & Palau** - Residential and Commercial Fans, Air Circulators, Propeller Roof Fans, Exhaust Fans

**ETI** - Pavement/Gutter/Roof & Ice Melting Controls, Pipe Trace Freeze Protection Controls, Waveguide Dehydrators

**ELNUR Storage Heaters** - Electric High Heat Retention Storage Heaters, Electric Radiators

## SENSING AND CONTROL PRODUCTS

**SICK Sensing** - Photo-Electric Controls, Ultrasonic Sensors, Inductive & Capacitive Proximity Switches, Light Curtains, Safety Switches, Bar Code Readers, Laser Scanners, Pressure Switches, Vision Cameras

**BALLUFF** - Inductive & Capacitive Proximity Switches, Fluid Sensors, Photo-Electric Controls, Linear Transducers, Robotic Safety Limit Switches, Distance/Position Sensors

**GEFRAN** - Position Transducers, Drivers & Inverters, Power Controllers, Pressure Sensors, Melt Sensors, Load Cells & Force Transducers, Strain & Force Sensors, Tilt & Rotary Sensors, Solid State Relays

**Bircher Reglomat** - Detection and Contact Mats and Step Mats, Safety Edges, Loop Detectors, Gate & Door Detectors

**Kraus & Neimer** - Main, Control, Maintenance, Safety & Load Switches, Push Buttons and Pilot Lights

**Schmersal** - Keyed Interlock Switches, Latching Interlocks, Door Handle Actuators, Non-Contact Safety Sensors, Cable Pull Switches, E-Stop Buttons, Two Hand Controls, Key Transfer Switches, AS-I Compatible Switches

## OUR TEAM

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