Residential Product and Applications Training List 1.0

**Basic Hydronics**

Introduction to components used in hydronic systems. Including fundamentals of “Point of no Pressure Change”, air elimination, PRV’s and expansion tanks. (≈2 hours)

**Intermediate Hydronics**

Types of emitters and near boiler & distribution system piping designs. Including understanding system resistances curves vs circulating pump performance curves. (≈2 hours)

**Combined Basic & Intermediate Hydronics**

 Includes both basic & intermediate hydronics. (≈4 hours)

**Circulator Sizing**

 Reading circulating pump performance curves and choosing the right circulator for the application. (≈2 hours)

**Myths of ECM Circulators**

 What smart ECM circulators can and can’t do… (≈2 hours)

**Zone Circulators or Zone Valves; The Age-Old Debate**

 Comparing zoned circulators vs zoned valves distributions system and wiring to zone controls. (≈2 hours)

**Basic Electrical and Boiler Wiring**

 Introduction to basic electrical terms and wiring practices related to hydronic systems. (≈2 hours)

**Next Generation Zone Controls; Overview**

Unveiling of new zone controls for the average installer, showing the enhancements and how they wire up the same as current version. (≈1.25 hours)

**Next Generation Zone Controls; Advanced**

Dive deep into the new zone controls with mobile app and programming for advanced installers. (≈1.5 hours)

**Next Generation Zone Controls; Sales Partner**

 Overview intended for sales partners to prep for rolling release of new zone controls. (≈1.5 hours)

**DHW Recirc Design and Installation**

 Design concepts and installation practices for DHW recirculation systems. (≈2 hours)

**Condensate Neutralization**

Introduction to why condensate neutralization is so important and why Neutra-Safe products are a smart choice. (≈1.5 hours)

**Fernox Heating System Chemicals and Antifreeze**

Introduction to why water quality is so important in a hydronic system. System cleaning chemicals to improve heat transfer and antifreeze and inhibitors to protect system. (≈2 hours)

**Custom Training Program**

 Training program customized to application and timeframe.