



# HVAC INSTALLATION & NEC RULES



## National Electrical Code (NEC) for the H&AC Contractor

- Is it okay to put a 14/2 non-metallic sheathed cable (Romex) on a 25 A OCPD (circuit breaker/fuse)?
- How do I size the branch circuit for the oil burner?
- Is an emergency shutoff switch required for both oil and gas burners?
- Is it true that the black pipe gas line has to be bonded to the grounding electrode system?
- What is a grounding electrode system and what does "bonded" mean?
- What are the rules for placement of the HVAC disconnect switches for rooftop units vs. grade-access residential units?
- Is the installer required to provide a luminaire for service personnel at the rooftop unit location or just at indoor locations?
- Is it okay to run the Class 2 T-wire in the same liquidtight raceway as the Class 1 THWN conductors?
- Is it NEC Code-compliant to direct wire the condensate pump into the fuse block of the indoor unit?
- Is the HVAC unit considered a "continuous load". If yes, just what does that mean to the installer?
- When is it required that a disconnect switch be installed right at the HVAC unit and when is it not?
- What is "derating" all about?

If you need to know the answers to any of these questions be sure to sign up early for this invitation-only H&AC Contractor's one day training program. Space is limited. Be sure to bring a copy of the 2008 or 2011 NEC.

**CEUs:** 8 hours for Philadelphia, New Jersey and Delaware  
**Date:** Friday, February 17, 2012 (Note: new, earlier date)  
**Schedule:** 7:00 a.m. – Registration - 7:30 a.m. - 4:00 p.m. Course  
**Cost:** Member Rate - \$195  
**Location:** The EAP Offices, 527 Plymouth Road, Door H  
 Plymouth Meeting, PA (*Directions with confirmation*)  
**Instructor:** Rich Van Wert

### Required Text / Materials:

Bring your own copy of the 2008 or 2011 NEC.

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Name(s): \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_  
 Credit Card: # \_\_\_\_\_ Exp.Date: \_\_\_\_\_ CVV2 Code: \_\_\_\_\_

Please fax back (610) 825-1603, questions, please call Lisa at (610) 825-1600, ext. 14 or email her at [lisa@eap.org](mailto:lisa@eap.org), or mail to: The Electrical Association of Philadelphia, 527 Plymouth Road, Suite 408, Plymouth Meeting, PA 19462.