

**Franklin County CTC
District V Competition
February 15, 2010**

Contest: Industrial Motor Control

Contest Chairperson: Dwight Munson Jr.

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EACH CONTESTANT IS REQUIRED TO SUBMIT A RESUME

Clothing and Safety Equipment Requirement: Clothing cannot have any writing, logos, or graphics. Competitors must wear long pants free from holes and tightened at the waist (jeans are permissible), short sleeve shirt that extends down to the elbow or a long sleeve shirt, leather work boots either black or brown, and safety glasses or prescription eyeglasses. All clothing must fit properly and securely. Too tight or too loose of clothing will be considered a safety violation.

Scope of Contest: Students will demonstrate their knowledge of electrical principles, equipment and industry standards as it relates to the design and installation of motor control circuits. Students will demonstrate their skills and abilities in applying that knowledge by properly installing motor control equipment and associated enclosures, raceways, pilot devices and circuitry.

Equipment/Tools/Materials Provided by the Host School: All materials needed to complete the contest will be supplied by the school. For example the school will provide conduit, cable, boxes, equipment, and fittings.

Equipment/Tools Provided by Contestant:

1. Assorted strait and Phillips screwdrivers
2. Diagonal Pliers
3. Needle Nose pliers
4. Linesman pliers
5. Wire strippers
6. Tool pouch and belt and/or medium size tool box or bag
7. Torpedo level
8. Hammer
9. Electricians knife or utility knife
10. Hacksaw
11. Tape measure
12. 2008 National Electrical Code Book
13. ½ inch EMT bender
14. Crimp tool
15. Socket set
16. Adjustable wrench and/or assorted wrenches

Other Equipment:

No cell phones or two way radios are permitted. If a contestant is found to have either in their possession he/she will be disqualified.

No battery operated tools.

Special Instruction and Notes:

It is impossible for the host school to list all tools you may have instructed your students to use when performing certain tasks. Feel free to bring additional tools you feel you may require to work on the project as mentioned in the Scope of Contest.

The host school and judges reserve the right to check all tool boxes and/or tools or materials prior to the contest. Any tools that they feel will give the contestant (in their opinion) an unfair advantage will not be permitted.