



# Industrial Motor Control



<b>Date</b>	February 27, 2026	<b>Orientation Time</b>	Registration 8:00 a.m. Orientation 8:30 a.m. (CLOSED to instructors)
<b>Location</b>	Youngstown Aera Electrical JATC 350 E Western Reserve Rd. Youngstown, Ohio 44514	<b>Contest Time</b>	Immediately following orientation (OPEN contest)
<b>Purpose</b>	The competition will include written descriptions of required electrical installations and/or job sheets with schematic diagrams and accompanying requirements for wiring an industrial motor control installation. Competitors will select and install the wiring methods, devices, and equipment to complete the specified installation.		
<b>Testing</b>	Yes. Contestants are required to complete a written test of questions formulated from the 2017 edition of NEC.		
<b>Eligibility</b>	1 contestant for every 50 paid members enrolled in program		
<b>Clothing</b>	Clothing Classification Guide – CLASS C		
<b>Provided by Contestant</b>	<ul style="list-style-type: none"><li>• Professional Resume – Typed Hardcopy</li><li>• Emergency Medical Form (Contestants must have this to compete)</li><li>• 10" pump pliers</li><li>• 12" pump Pliers</li><li>• 12" hacksaw with blade</li><li>• 16 oz. claw hammer</li><li>• Utility knife</li><li>• 9" torpedo level</li><li>• 6" long nose pliers</li><li>• 7" scratch awl</li><li>• 9" side cut pliers</li><li>• 4" flat head screwdriver</li><li>• 4" phillips head screwdriver</li><li>• 6" flat head screwdriver</li><li>• 1/8" cabinet tip screwdriver</li><li>• 8" diag. cut pliers</li><li>• Tape measure</li><li>• Tool pouch</li><li>• Tool belt</li><li>• T5 wire stripper</li><li>• ½" EMT bender</li><li>• One VOM meter</li><li>• Battery drill ONLY – No electric drills will be permitted</li><li>• 2017 NEC book</li><li>• #2 pencils</li><li>• 4' or 6' fiberglass ladder ONLY</li><li>• Phillips bit for drill</li><li>• No tool boxes larger than 18" long, 12" wide, 12" tall permitted in the contest area</li></ul>		

	<ul style="list-style-type: none"> <li>• Breaker Lock and Lockout/Tag Out Equipment</li> </ul> <p>The following WILL NOT be tolerated and are grounds for disqualification from the competition:</p> <ul style="list-style-type: none"> <li>o No smart watches, cellphones and/or other electronic devices in the contest area unless specifically stated in this document. These devices cannot be used as a calculator.</li> <li>o No contact with anyone outside of the contest area once the contest begins.</li> <li>o No inappropriate communication between contestants such as verbally degrading another contestant or informing another contestant of the skills/test prior to or during the competition.</li> <li>o No cheating on any portion of the contest.</li> </ul> <p>The use of AI is strictly prohibited and will result in an automatic disqualification of the contestant.</p>	
	<p><b>Contest Skilled Performance Standards</b></p> <p><b>MOTR 2.0</b> - Follow OSHA rules and safety regulations to ensure job site and equipment safety.</p> <p><b>MOTR 9.0</b> - Lay out components on mounting boards based upon customer specifications.</p> <p><b>MOTR 10.0</b> - Select and install proper wiring methods, boxes and enclosures.</p> <p><b>MOTR 11.0</b> - Demonstrate the ability to properly install and connect devices and equipment.</p>	<p><b>Aligned ODEW Construction Career Field Technical Content Standard Outcomes</b></p> <p><b>Outcome 2.1</b> Site Safety</p> <p><b>Outcome 4.2</b> Circuits</p> <p><b>Outcome 4.4</b> Electrical Wiring</p> <p><b>Outcome 4.4</b> Electrical Wiring</p> <p>Above Outcomes can be found in the following ODEW course(s):  178007 Construction Electrical Systems  178009 Commercial and Industrial Construction Electrical Systems</p>