

1. Title	Perform basic wiring up of electrical control circuit of air-handling units									
2. Code	EMACIN209A									
3. Range	Perform basic wiring up of electrical control circuit of air-handling units at installation or servicing stations under a certain degree of instruction.									
4. Level	2									
5. Credit	3									
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <table border="0"> <tr> <td style="vertical-align: top;">6.1</td> <td style="vertical-align: top;">Functions, construction and working principles of electrical control circuit of air-handling units</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Understand the functions and construction of electrical control circuit of air-handling units</li> <li>◆ Understand the principles of wiring diagramme of electrical control circuit of air-handling units</li> <li>◆ Understand the methods of wiring up the components in the wiring diagramme of electrical control circuit of air-handling units</li> </ul> </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Methods and procedures of wiring up basic electrical control circuit of air-handling units</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Wire up electrical control circuit of air-handling units according to the drawing</li> <li>◆ Conduct functional test on electrical control circuit of air-handling units</li> </ul> </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in wiring up basic electrical control circuit of air-handling units</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Follow the code of practice under the Electricity (Wiring) Regulations to wire up electrical control circuit of air-handling units safely</li> </ul> </td> </tr> </table>	6.1	Functions, construction and working principles of electrical control circuit of air-handling units	<ul style="list-style-type: none"> <li>◆ Understand the functions and construction of electrical control circuit of air-handling units</li> <li>◆ Understand the principles of wiring diagramme of electrical control circuit of air-handling units</li> <li>◆ Understand the methods of wiring up the components in the wiring diagramme of electrical control circuit of air-handling units</li> </ul>	6.2	Methods and procedures of wiring up basic electrical control circuit of air-handling units	<ul style="list-style-type: none"> <li>◆ Wire up electrical control circuit of air-handling units according to the drawing</li> <li>◆ Conduct functional test on electrical control circuit of air-handling units</li> </ul>	6.3	Professionalism in wiring up basic electrical control circuit of air-handling units	<ul style="list-style-type: none"> <li>◆ Follow the code of practice under the Electricity (Wiring) Regulations to wire up electrical control circuit of air-handling units safely</li> </ul>
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7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to wire up basic electrical control circuit of air-handling units according to the drawing; and</p> <p>(ii) Capable to follow relevant code of practice when wiring up basic electrical control circuit of air-handling units.</p>									
8. Remarks	This unit of competency is applicable to practitioners engaged in general air-conditioning and refrigeration control circuit installation.									