

MERLOT – SKILLSCOMMONS Peer Reviewer Report Form (V 52218)

Name of Learning Material:	Hybrid PLC Mechatronics - Chapter 7 Timers, Counters and T/C Applications
SKILLSCOMMONS URL:	https://www.skillscommons.org/handle/taacct/18769
Learning Material URL:	https://hybridplc.org/wp-content/uploads/labs4_S.pdf https://hybridplc.org/wp-content/uploads/labs5_S.pdf https://hybridplc.org/wp-content/uploads/labs6 https://hybridplc.org/wp-content/uploads/chap7_S https://www.youtube.com/watch?v=BBS6GkPp56w
Reviewer's Name:	
Date Review Completed:	
Review Time Required:	
Rejected? Y/N	
Description	<p>Timers and counters are discussed in this chapter. Timers and counters have been in existence for as long as relays and provide an important component in the development of logic.</p> <p>Practical examples of their use as well as timing diagrams for applications utilizing their specific qualifications are introduced. Examples show a need to be able to use timers in seal or memory circuits. Use of timers and counters together is discussed.</p> <p>An example of a conveyor system counting boxes is discussed and the use of timers and counters to control the movement on the conveyors is shown.</p> <p>1. Overview: Describe overview, features and descriptions, uses, and applications. Include cost, if any for apps</p> <p>Accompanying Video: PLC Series Chapter 7 - Timers, Counters and T/C Applications (2:13:33) Hybrid Lab Text: Ch. 4 – Traffic Intersection Ch. 5 – Cash Register Ch. 6 – Cash Register with HMI (see Additional Public Access to Materials below)</p> <p>2. Type of material: Animation, assessment tool, assignment, case study, collection, development tool, drill and practice, e-portfolio, learning object repository, online course, open journal article, open textbook, presentation, reference material, simulation/game, social networking tool, quiz/test, tutorial, workshop and training material.</p> <p>3. Technical requirements: Browser, software or plug-in, Java, HTML, Flash, etc. You can test how it appears on Internet Explorer at http://pinfo.info/netrenderer/ Note type of device if it is an app (iPad, Android, phone, etc.)</p> <p>4. Identify major learning goals/ curriculum objectives: Purpose of site, goal for learner/user.</p> <p>5. Recommended uses: In-class, homework, individual, team, lecture, etc.</p> <p>6. Target population: Level, course or subject matter, other user groups</p> <p>7. Prerequisite knowledge or skills needed: Course or subject matter, computer skills, other miscellaneous skills</p> <p>8. Application to industry recognized certification: Name of credential or certification.</p> <p>Evaluation and Observations: After reviewing the learning material, please indicate your agreement with the following statements by utilizing the scoring scale: 4=Strongly Agree; 3=Agree; 2=Disagree; 1=Strongly Disagree; and 0=N/A.</p>

#1 Quality of Content – The Learning Material...	Strongly Agree: 4	Agree: 3	Disagree: 2	Strongly Disagree: 1	N/A: 0	TOTAL
...is clear and concise						3
...provides a complete demonstration of the concept						4
...demonstrates a core concept grounded in the discipline						3
...is current and relevant						4
...is supported by appropriate research						4
...is self-contained (can be used without requiring an assignment or context)						4

...provides accurate information						4
...is flexible (can be used in several situations)						4
...includes an adequate amount of material						3
...has strong workplace relevance						4
...integrates the concept well						3
Overall, the quality of the content is very high						3
Total: #1 Quality of Content						43

#2 Potential Effectiveness as a Teaching Tool/This Learning Material...	Strongly Agree: 4	Agree: 3	Disagree: 2	Strongly Disagree: 1	N/A: 0	TOTAL
...identifies learning objectives						4
...identifies prerequisite knowledge						4
...reinforces concepts progressively						4
...builds on prior concepts						4
...demonstrates relationships between concepts						4
...is easy to integrate into curriculum assignments						4
...is very efficient (could learn a lot in a short time)						4
...can be used to measure student learning outcomes						4
Overall, learning material is a very effective teaching tool						4
Total: #2 Effectiveness as Teaching Tool						36

#3 Ease of Use – This Learning Material...	Strongly Agree: 4	Agree: 3	Disagree: 2	Strongly Disagree: 1	N/A: 0	TOTAL
...is easy to use						4
...has very clear instructions						4
...is engaging						4
...is visually appealing						4
...is interactive						4
...is of high design quality						3
...meets accessibility requirements if able to assess						3
...if an app, can be used on multiple types of mobile devices and platforms						4
Total: #3 Ease of Use						30

Combined TOTAL scores (add together the totals as indicated above for #1, #2, #3)						109
Optional Information:						
Other comments to be included in the review: (If an app, respects privacy of user, meets PG rating standards, how frequently app is updated)						
Comments to author only: (Any needed improvements or recommendations should be addressed here.)						

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This product was funded by a grant from the U.S. Department of Labor, Employment and Training Administration.

