

# PLC, AB L16| Multimedia Courseware

**PLC Timer Instructions - WX25005-BB08UEN-E1**

Objective 6: Describe the Operation of a Retentive PLC Timer Instruction

### Operation of RTO Instruction

**RTO Instruction Reset**  
To reset the timer, the operator presses PB2 to enable the RES instruction. This causes the DN bit and the accumulated value to reset.

Status (RTO\_Timer)  
Preset (RTO\_Timer.PRE)  
Accumulated (RTO\_Timer.ACC)

Step 5 of 5

You have completed this page. You may now continue on through the curriculum.

Page 26 of 39

## Multimedia Courseware – Allen-Bradley CompactLogix L16: M25005

This course covers controller operation, basic PLC programming, PLC motor control, PLC timer instructions, PLC counter instructions, event sequencing, application development, program control instructions, and math and data move instructions.

### Mechatronics Learning

Amatrol’s eLearning curriculum is unique in that it thoughtfully combines in-depth theoretical knowledge with simulated, hands-on skills. This powerful combination of knowledge and skills solidifies understanding and creates a strong foundation for pursuing more advanced skills.

For example, the mechatronics eLearning course covers important topics, such as:

#### **Programmable Controllers**

Learners begin with an introduction to Programmable Logic Controllers. Individual lessons focus on topics like PLC programming languages, basic operation of a PLC, and basic components of Rockwell Automation's Studio 5000 Logix Designer software. Learners will also practice skills, such as, configuring and testing a Point-to-Point USB connection, uploading a PLC program using Studio 5000 Logix Designer software, and powering up an Allen-Bradley CompactLogix PLC.

#### **Project Creation and IO Assignment**

Learners using Amatrol’s mechatronics eLearning course will study basic principles of project creation and IO assignment. Individual lessons focus on topics like creating and configuring a PLC project using Studio 5000, operation of a module-defined input tag, and operation of an alias.

#### **Event-Driven Sequencing**

Learners will study various aspects and components of event-driven sequencing. Individual lessons focus on topics like operation of a single-cycle reciprocating cylinder PLC program, ringle-cycle actuator reciprocation PLC program operation, and continuous-cycle actuator reciprocating programs. Learners will also practice skills, such as designing a multiple actuator sequence PLC program using a 7-Step design process, operating a multiple actuator sequence PLC program, and operation of a PLC emergency stop function.

## **Multimedia**

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Amatrol's Mechatronics Barcode Identification eLearning course curriculum features a highly-interactive multimedia format. Stunning 3D animations, videos, pictures, voiceovers of all text, and interactive quizzes and exercises bring learning to life. Amatrol's multimedia curriculum contains elements that will appeal to every learning style, keeping learners motivated and engaged.

## **Anytime, Anywhere Access Promotes Self-Paced Learning**

In today's fast-paced, technology-driven world, it's more important than ever to extend the reach of industrial skill training beyond the borders of traditional classrooms. Amatrol's eLearning meets the challenge for flexibility by offering in-depth, comprehensive technical skills training via an intuitive, easy-to-use web-based Learning Management System (LMS).

With anytime, anywhere online access, Amatrol's eLearning allows learners to set their own pace at home, on the job, in a traditional class setting, or a blended approach of these options. Click here to learn more about [Amatrol's eLearning and LMS](#).

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