



# Business Industrial Network

www.BIN95.com

---

## CONTROLLOGIX INTRODUCTION - DAY 2

---

### Description

This module introduces configuration of analog I/O modules. Students will learn a variety of methods for editing ladder logic. Relay, Timer and Counter instructions will be presented in a way that meets the needs of programmers and maintenance personnel. The final lesson in this module introduces advanced features available in the Tag Database.

### Lessons

#### 1. Adding Analog I/O

- Adding Analog I/O
- Interpreting I/O addresses in the tag database

#### 2. Basic Relay Type Instructions

- XIC, XIO
- OTE, OTL, OTU
- ONS, OSR, OSF

#### 3. Editing Ladder Logic

- Offline editing
- Online editing in Program mode
- Online editing in Remote Run mode
- Short cuts available when editing

#### 4. Timers and Counters

- Memory usage of a timer structure/tag
- The TON, TOF, RTO and RES instructions
- Memory usage of a counter structure/tag
- The CTU, CTD and RES instructions

#### 5. Arrays and UDT's

- Instruction specific predefined data types
- Arrays
- User defined data types