Course Overview

Course number: TDC-3755HPM
Course length: 8 days

This Universal Station (US) - based course provides a hands-on introduction to configuring a Universal Control Network (UCN), operating and configuring a full range of High Performance Process Manager (HPM) point types. It also provides the skills to create a simple HPM Control Language (CL) program and troubleshooting the HPM’s hardware components using the aids built into the TotalPlant Solution System Network (TPN). The HPM point types covered include: Analog and Digital Input and Output, Regulatory, Digital Composite, Logic, Flag, Numeric, Timer, and Smart Transmitter. HPM CL program implementation includes creating a Process Module point and writing a simple HPM CL program.

Course Benefits

Implement and troubleshoot the UCN
- Increase your skills with the implementation and hardware/maintenance of the UCN and HPM
- Gain more in-depth knowledge of the HPM’s control capabilities
- Gain the basic skills required to implement an UCN from power-on to an operational state

Course Delivery Options
- In-Center Instructor-Led Training

Who Should Take this Course

TPN Customers
- Requiring more in-depth knowledge of the various HPM point types and their applications
- Requiring a familiarization with HPM CL
- Requiring basic HPM troubleshooting knowledge

Prerequisite/ Skill Requirements

Prerequisite Course (s)
- None

Required Skills and/or Experience
- None

Desirable Skills and/or Experience
- Working knowledge of your process

Course Topics

You will learn how to...
- Manipulate LCN formatted files on the History Module through the Command Processor
- Operate and build HPM regulatory control and regulatory process variable type points, including cascade control loops
- Operate and configure HPM Digital Composite, Logic, Flag, Numeric, and Timer points
- Identify UCN hardware and their functions
- Navigate and manipulate the UCN status displays
- Configure a UCN consisting of a Network Interface Module (NIM) and an HPM
- Operate a Process Module point by loading and running an associated HPM CL program
- Configure a Process Module point and create the associated HPM CL program
- Troubleshoot the HPM
- Implement and service a Smart Transmitter point

Additional Training

To increase your knowledge and skills, there are additional courses available from Automation College.

For more information and registration, visit www.automationcollege.com.

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