Setpoints and Batching
Program Outline

This program is made up of 22 different modules and learning objects within several different broader topic areas. Below is a breakdown of those topics that will be covered along with an estimated time commitment for each topic. The total minimum suggested commitment to earn a certificate is roughly 7 hours. The majority of this time is engaging with the exercises and setting them up for yourself and experimenting with them. You will get the most out of this course through the practical application of the training.

Introduction to Batching – 10 minutes

Global Batching Parameter

Setpoint Kinds – 15 minutes

Common Setpoints
Relative Setpoints
Time Based Setpoints
Branching Setpoints

Setpoint Actions – 15 minutes

Alarm
Clear Functions
Push Functions

Digital I/O Usage – 15 minutes

Considerations
Parameter Options
Creative Usage and Tips

Setpoint Parameters – 15 minutes

Batch
Branch
Access
Enable
Alias
Prompt

Setpoint Maps – 10 minutes

Using a Map
Printable Map

Start / Stop Box – 20 minutes

Wiring
Usage

Free-Running vs Batching – 15 minutes

Differences

Routine Exercises – 120 minutes for Hands-on

Free-Running vs Batching
Adding a Container Check
Adding an Auto Jog
Adding an Alarm
Concurrent Setpoints

Final Project – 60 minutes

Setpoint Map Creation (Deliverable)
Setpoint Map Interpretation (Deliverable)

Optional Deliverable to Earn Certificate – 120 minutes

Video Demonstration of Working Setup

Minimum Required Equipment for Earned Certificate

- 1280 Enterprise with Single A/D and Connectors
- Simulator (Ranger 5 or Better if Possible)
- Opto 22 *G4PB4* 4-Channel Relay Rack
- Opto 22 Output Relays (Qty 4)
- Adequate Cabling for All Connections
- Laptop Running Windows
- Latest Version of Revolution