

Johnson Controls Institute Course



Automatic Temperature Control - Basics (P2)

Build your understanding of automatic temperature control loops using the workbooks and videotapes in this package.

Lessons focus on the proper operation of pneumatic air compressors and air supply systems, dampers, actuators and positioners, and valve and valve actuators. Controller action, type and calibration procedures are covered, as is the basics of proportional control theory.

A book of self-graded quizzes is included so students can check their understanding. An excellent introduction to the science of temperature control! (©1984-92 Johnson Controls, Inc.)

Topic Outline

- Proportional Control Theory
 - Components
 - Direct Acting/Reverse Acting Offset
- Air Supply Systems
 - Types of Systems
 - Components
 - Maintenance
 - Filtration
- Valves and Valve Actuators
 - Types of Actuators
 - Types of Plugs
 - Types of Valve Bodies
 - Cavitation
- Dampers, Actuators & Positioners
 - Types of Dampers
 - Blade Seals
 - Stratification
- Controllers and Calibration
 - Procedure
 - Direct / Reverse Acting Controllers

Cost: \$495.00

Additional sets of seven workbooks: 1 - \$50.00 10+ - \$400.00



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