

SECTION 15940 - SEQUENCE OF OPERATIONS

PART 1 - GENERAL

0.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

0.2 SUMMARY

- A. This Section includes control sequences for HVAC systems, subsystems, and equipment.

0.3 SINGLE-ZONE, SINGLE-DUCT, CONSTANT-VOLUME, AIR-HANDLING UNIT CONTROL SEQUENCES

- A. Fan Control: Thermostat starts fan to run continuously during occupied periods. Thermostat cycles fan during unoccupied periods.
- B. Smoke Detector: Smoke detector, located in supply air, signals alarm, stops fan, and closes smoke dampers when products of combustion are detected in air stream. Interlock manual firemen start/stop switch and fire alarm control panel to override smoke detector and provide manual override operation of RTU in accordance with local and state building codes.
- C. Mixed-Air Control: During occupied periods, when fan is running, economizer controller modulates outside-air, return-air, and relief-air dampers to maintain supply-air temperature.
 - 1. During occupied periods, when fan is running, open outside-air dampers to minimum position.
 - 2. During heating sequence, set outside-air dampers to minimum position.
 - 3. When outside-air enthalpy exceeds return-air enthalpy, set outside-air dampers to minimum position.
 - 4. During unoccupied periods, position outside-air and relief-air dampers closed and return-air dampers open.
- D. Filters: During occupied periods, when fan is running, differential air-pressure transmitter signals alarm when low- and high-pressure conditions exist.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 15940