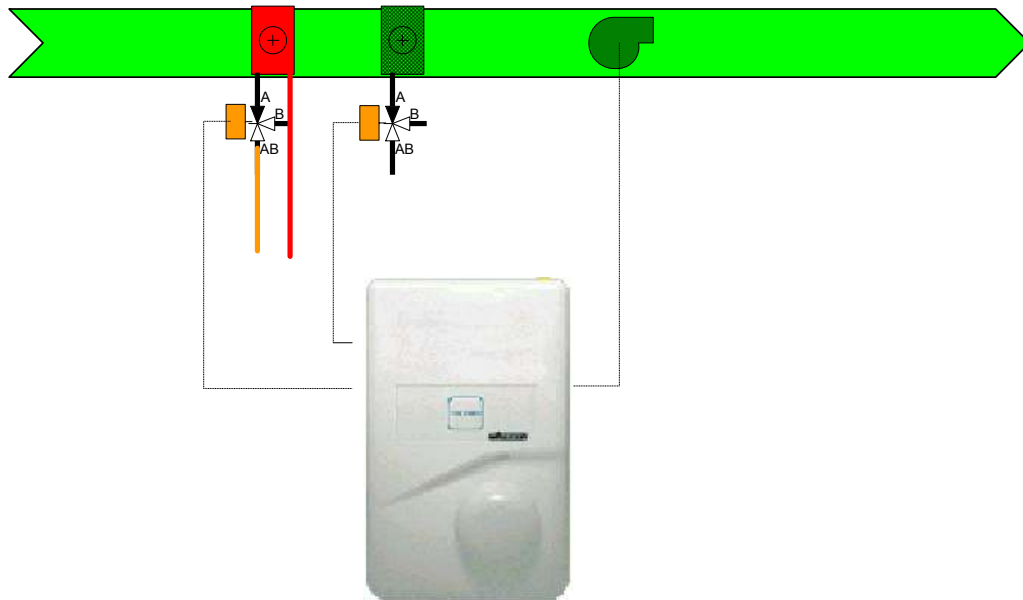


Four Pipe Fan Coil Controller



Description

Electronic controller provides affordable, but very stable and energy efficient control of four pipe changeover type fan coil units. Controller can handle either two position or modulating valves. Controller can be integrated into an Empire Controls DDC system, either at time of installation or at a later date. Can be configured for operation in Celcius or Fahrenheit. LCD, setpoint adjustment knob, time of day scheduling/Real Time Clock features are optional.

Guide Specification

Products

2.x Four Pipe Fan Coil Controller Kit

Four Pipe Fan Coil Controller, Model BNR-4PFC complete with space sensor, optional setpoint adjustment knob, control valve assemblies, control relays, transformer and without optional liquid crystal display as manufactured by Empire Controls Limited of Woodbridge, Ph 905-264-7282, Fax 905-850-8564, empire@empirecontrols.com. Stats incapable of controlling modulating valves or network communications are not acceptable.

Execution - Sequence of Operations

3.4.x Four Pipe Fan Coils

The fan will run continuously at the speed selected.

The controller shall modulate the heating and cooling valves by means of proportional + integral control algorithm as required to maintain space temperature at setpoint.

The stat shall maintain a deadband between Heating and Cooling. The Deadband and Minimum and Maximum Setpoints shall be technician adjustable.

Night Setback and Cooling Setup are not implemented.

Mount stat on wall, and provide 24 volt power. Connect valves and radiation to controller. Check operation of valves.

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