

STD-09-1 INTERMITTENT NIGHT HEATING WITH RETURN AIR

The unit is fitted with a return air damper opening and closing parallel to the outside air damper, but unlike the outdoor air damper, it is mounted so that it is open in a de-energized state.

During normal operation, the return air damper is closed, but when the unit is switched off, it is open. The unit starts at night according to the set interval to update the temperature in the extract air. If there is a need for heating, the unit switches to unoccupied operation and opens the return air damper.

The exhaust air then passes through the return air damper and is heated by the heating coil without running the exhaust fan.

The unit continues to run in unoccupied heating mode until the temperature setpoint in the extract air is met.

Settings:

Start stpt heating	<i>The temperature that if undershot, starts unoccupied heating.</i>
Heating setpoint	<i>Supply air temperature setpoint during unoccupied heating.</i>
Hysteresis stop	<i>Specifies how far above the start setpoint the unoccupied heating is to reach before stopping.</i>