

# InfraRay™ Modulating Controller – Configuration Unit

- **DO NOT alter default times for startup and post-purge in this section.**

The timer for the vacuum pump runs the pump at 100% for two (2) minutes at startup.

- When the heat request is satisfied, the post-purge timer runs the pump for another two (2) minutes.
- The VP Minimum Off Time prevents the system from accidentally tripping an APS alarm if it cycles OFF and ON too quickly.

On Start, Run VP at 100% for (MM:SS)	02:00
VP Post Purge for (MM:SS)	02:00
VP Minimum Off Time (MM:SS)	00:30
Override OA Temp	<input type="checkbox"/> No
OAT Override Value	55.0°F
OAT Lockout Enable	<input type="checkbox"/> No
OAT Lockout Setpoint	50.0°F
Door Switch 1 Enable	<input type="checkbox"/> Disabled
Door Switch 1 Polarity	<input type="checkbox"/> N.C.
Door Switch 2 Enable	<input type="checkbox"/> Disabled
Door Switch 2 Polarity	<input type="checkbox"/> N.C.
E-STOP	<input type="checkbox"/> Disabled
Master Setpoint	65.0 F
Master Setpoint Limit	5.0°F
Optimum Start Limit	30 Mn
Unoccupied Setpoint	60°F

- Override OAT Temp allows users to set a defined temperature value if desired.
- OAT Lockout will force the equipment into an unoccupied state (setback setpoint), if the OAT exceeds the setpoint.
- Door Switches allow users to disable burner power if an input is tripped. The N.C. or NO polarity of the switches can also be adjusted.
- E-Stop shuts the entire system down if the input is tripped.

On Start, Run VP at 100% for (MM:SS)	<input type="text"/>	02:00
VP Post Purge for (MM:SS)	<input type="text"/>	02:00
VP Minimum Off Time (MM:SS)	<input type="text"/>	00:30
Override OA Temp	<input type="checkbox"/>	No
OAT Override Value	<input type="text"/>	55.0°F
OAT Lockout Enable	<input type="checkbox"/>	No
OAT Lockout Setpoint	<input type="text"/>	50.0°F
Door Switch 1 Enable	<input type="checkbox"/>	Disabled
Door Switch 1 Polarity	<input type="checkbox"/>	N.C.
Door Switch 2 Enable	<input type="checkbox"/>	Disabled
Door Switch 2 Polarity	<input type="checkbox"/>	N.C.
E-STOP	<input type="checkbox"/>	Disabled
Master Setpoint	<input type="text"/>	65.0 F
Master Setpoint Limit	<input type="text"/>	5.0°F
Optimum Start Limit	<input type="text"/>	30 Mn
Unoccupied Setpoint	<input type="text"/>	60°F

On Start, Run VP at 100% for (MM:SS)	02:00
VP Post Purge for (MM:SS)	02:00
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OAT Lockout Enable	<input type="checkbox"/> No
OAT Lockout Setpoint	50.0°F
Door Switch 1 Enable	<input type="checkbox"/> Disabled
Door Switch 1 Polarity	<input type="checkbox"/> N.C.
Door Switch 2 Enable	<input type="checkbox"/> Disabled
Door Switch 2 Polarity	<input type="checkbox"/> N.C.
E-STOP	<input type="checkbox"/> Disabled
Master Setpoint	65.0 F
Master Setpoint Limit	5.0°F
Optimum Start Limit	30 Mn
Unoccupied Setpoint	60°F

- Master Setpoint allows users to adjust the zone temperature setpoint.
- Master Setpoint Limit allows users to limit the setpoint adjustment so that users in the field can change the set point, but it will be limited to “±”.
- Optimum Start Limit - default time is thirty (30) minutes, which means the heating system will start heating thirty (30) minutes before occupancy. The maximum start limit time is fifty-nine (59) minutes.
- Unoccupied Setpoint - default temperature is 60°F which the user can change.