

Creep Control with Interlock

This feature provides creep heating control interlocked with room temperature.

Creep control with interlock uses both room temperature sensors and creep temperature sensors to determine whether creep heating is used.

When the feature is activated, creep heating can only be increased when room temperature is below a certain temperature.

This is aimed at minimising possibility that creep heating and room ventilation conflict with one another.

User Settings

Creep Settings : Set Temp

To adjust settings for Creep Control, find the Keypoint Display (Act/Set) and press button until C1 appears (Creep Temperature Zone 1).

Set Temp

This is the target temperature for creep temperature.

When creep temperature is below Creep Set Temp, creep heating is increased, as long as room temperature is below the Room InterLock value.

When creep temperature is at or above Creep Set Temp, or room temperature is at or above the Room InterLock value, creep heating is reduced to the minimum heat setting.

To adjust creep target temperature:

- press the button to select this value to adjust
- turn knob to adjust value
- press button to activate the new value

Note : If Set Temp value show is "CURVE", target temperature is automatically determined by a temperature profile, and cannot be adjusted.

Creep Settings : Min Heat

This is the minimum heating value.

For example, if the value is 20%, creep heat output will always be 20% (of full power) - or greater according to temperature.

Note : If heating type is On-Off, such as gas heaters, make sure Min Heat is set to 0%, or else heating may not switch off as desired.

Creep Settings : RmLock

This is the setting for Room Temperature InterLock. The setting is for Actual Room Temperature relative to Room Set Temperature.

Example :

Room Set Temp = 70°F

RmLock = -5°F

Creep Heating can only be increased if room temperature is below 70°F -5°F = below 65°F

When room temperature is below 65°F, creep heating is controlled on the basis of creep sensors.

Example :

Room Set Temp = 70°F

RmLock = 5°F

Creep Heating can only be increased if room temperature is below 70°F +5°F = below 75°F

When Room Set Temp is increased or decreased, the trigger temperature (at which creep heating is allowed) is increased or decreased automatically.

RmLock = OFF

With this setting, room temperature is ignored, and creep heating is always allowed. Creep heating is based only on creep temperature sensors.

RmLock = Not found in menu

If there is no setting for RmLock in the Creep Settings menu, your program may not have Creep control with Interlock. In this case, it will control without interlock, based only on creep temperature.

Alternatively, your program may be set up for "Config" creep interlock. In this case, the setting is "concealed", so that it cannot be altered accidentally.

Creep Inactive

When the creep is Inactive (Creep Settings : Active = NO) creep heating is switched off, regardless of Min Heat setting or Room Temperature.

If you don't need creep heating, always set Creep Inactive rather using Manual Override.

Room Inactive

When the Room is Inactive (Room Settings : Active = NO) creep heating is allowed, regardless of room temperature (as long as Creep = Active).

Technical : Configuration Menu Control Settings

Configuration should only be adjusted by trained personnel.

Creep Heat Band Width

Creep Set determines the temperature at which creep control starts.

Band sets the temperature band over which creep heating is varied from minimum to 100%.

For example, if Creep Set = 70°F, heat output is minimum (or off) when creep temp is at 70°F or higher.

If Creep Heat BandWidth is set to 2°F, heat output is increased linearly to 100% from 70°F down to 68°F.

If heating type is On-Off (e.g. Gas heaters), Band sets the hysteresis. E.g. It is off (0%) until temperature falls to 68°F, and stays on until temperature rises to 70°F.

With RmLock enabled (i.e. Not set to Off), Band also sets the Room Lock hysteresis.

Creep Heat Default

This sets the creep heating output level if there is no reading from the creep temperature sensor(s).

For On-Off heating, set this to 0%.

Creep Intrlk : Offset

Creep Interlock Offset enables or disables RmLock, and enables or disables the User setting.

Creep Interlock Offset = OFF

With this setting, creep heating is not interlocked with room temperature.

Creep Interlock Offset = USR

With this setting, creep heating Room Interlock is adjusted by a setting in the User menu : Creep Settings : RmLock

Creep Interlock Offset = -10.0 to 10.0°F

With this setting creep heating is enabled according to room temperature/setting, but no user adjustment appears. See user settings for description.

Room - Creep Day Link

This function links Creep Curve to Room Curve.

By default the option is NO (not linked).

If set to YES, when the curve is started or changed for the room, the creep is automatically set to the same Day number.

Output Configuration

Make sure the output type is set as a suitable type for the heating system and driver installed.

Typically, radiant lamps should be set to Lamp; electric heaters should be set to Simmer; gas heaters should be set to On-Off. Call Technical Support if unsure.