



When product integrity counts...
Manufacturers of laboratory calibrated temperature and humidity data loggers,
real-time monitoring and cold chain solutions

Limit Delay Quick Start Guide

Limit Delay

Program Menu > Limit Delay

Temprecord Mk III has the ability to compare the logged temperatures and humidity against upper and lower limits, and report whether the limits have been exceeded via the red and green LED on the logger. There are applications where a brief excursion outside the limits may be expected, and is not to be reported as an out-of-range error. An example is where a fridge door is open while product is being packed in or out, causing the temperature to rise temporarily until the door is closed again.

Also, in some situations, the logger must be started while the temperature/humidity is outside the limits and it is undesirable for this situation to be reported as a temperature/humidity outside of the limits.

The **limit indicators** (upper temperature exceeded, lower temperature exceeded, upper humidity exceeded, lower humidity exceeded) are only set when the number of continuous samples exceeding the respective limit is greater than the **limit delay** parameter. In other words, the limit delay specifies how many consecutive samples are tolerated outside the limits before an out-of-limits condition is flagged.

To have the limit indicators set (and therefore the red LED flash) as soon as any single sample exceeds the respective limit, set the limit delay to 0.

The screenshot shows the 'Logger Parameters' dialog box with the following settings:

- User Data: Chiller no. 3
- Logging: Temperature (selected)
- Sample Period: 00:01:00
- Start Delay: 00:00:30
- Duration: 22.58 days.
- Temperature: Upper limit 20.00, Lower limit 15.00
- Humidity: Upper Limit 0.0, Lower Limit 0.0
- Start on Date Option: Enable (checked), Today, Start Date 26/05/2011, Start Time 10:40:00
- Enables: Loop Overwrite (unchecked), Start with button (checked), Stop with button (unchecked), Allow Markers (checked), Start with Switcher (unchecked), Stop with Switcher (unchecked)
- Safe Range: Enable Safe Range (unchecked)
- Limits Delay Option: Limit Delay 5 (circled)
- Buttons: OK, Apply, Cancel, Help, Load from Defaults, Save to Defaults