

Title:	CO2 level too High	ID:	
		116	
05.08.11	Response:	Model:	Author:
		-	CMA

DF Defrost Cycles

The unit has hot gas defrost. The displayed values you are quoting are unbiased and directly from the internal controller signal that needs to be optimized for shorts reaction time. The temperature change in the samples is much less. We do not recommend to change the defrost process as proposed. However, you may increase the time between defrost cycles if the unit

- is strictly not opened by the user door
- is in a room with low humidity

The interval default may be changed by changing DM89. DM89 is now set to 3 days. You may do

WR DM89 58335

This will increase this interval to 5 days ($65535-58335=7200$ [min] -> $7200/60=120$ [hrs] -> $120/24=5$ [days]). Note that after a cold start this value is set back to its default. If you want to have a permanent change we'd have to send you a new FW for upgrade.

Please bare in mind that there are hundreds of units like yours in the field where many of them have been running for 10-15 years. There has never been any report on degrading samples to this day. Be aware that improper modifications may negatively influence the system's performance. Some of such effects may show after very long time only.