

SLATE™

**New Burner Module Parameters
SW Rev 3.10**

Tech Features

With the release of SLATE module SW 3.10 release, two new parameters have been added to the Burner Module configuration:

Run stabilization time (r263)

Name	Register Number	Setting	Help
Prepurge time	136	30	Help
Preignition time	137	0	Help
Pilot flame establishing time	138	10	Help
Fuel 1 main flame establishing t	139	10	Help
Direct burner ignition time	140	0	Help
Postpurge time	141	0	Help
Demand hold limit time	145	0	Help
ILK/IAS proving maximum wait	151	10	Help
Early purge proving delay	152	30	Help
Early lightoff proving delay	153	30	Help
Fuel 2 main flame establishing t	190	10	Help
Flame tolerance time	194	20	Help
Pilot stabilization time	195	0	Help
Run stabilization time	263	0	Help

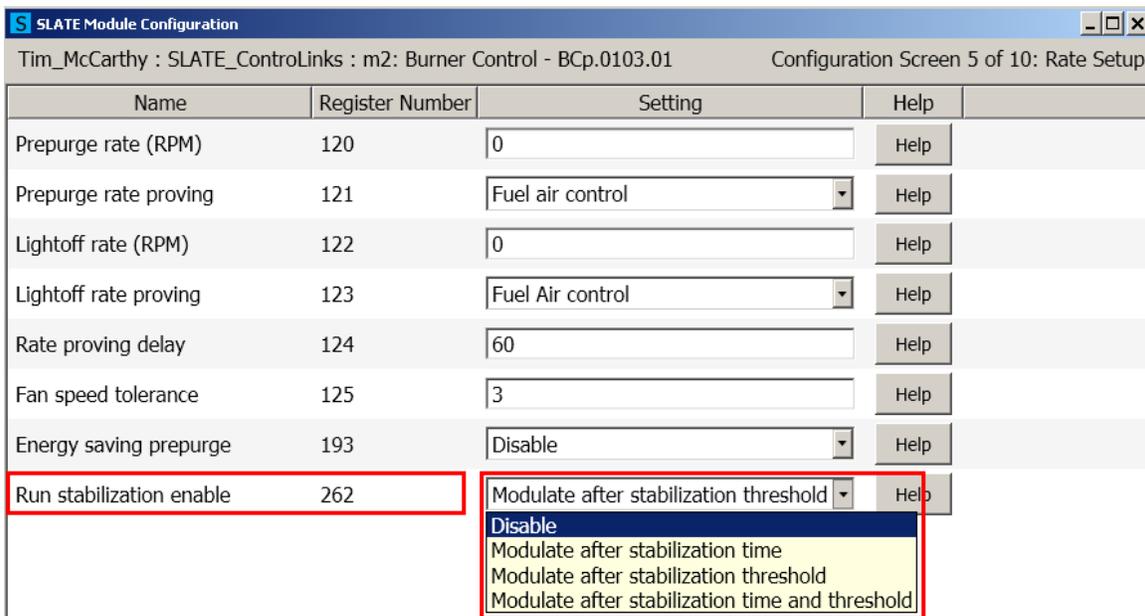
Run stabilization enable (r262)

Name	Register Number	Setting	Help
Prepurge rate (RPM)	120	0	Help
Prepurge rate proving	121	Fuel air control	Help
Lightoff rate (RPM)	122	0	Help
Lightoff rate proving	123	Fuel Air control	Help
Rate proving delay	124	60	Help
Fan speed tolerance	125	3	Help
Energy saving prepurge	193	Disable	Help
Run stabilization enable	262	Modulate after stabilization threshold	Help

In addition, a new register was introduced to tie the wire sheet to this new configuration.

Run stabilization threshold (r264).

These two parameters and the new burner register work together to keep the burner at the light-off firing rate for X seconds (where X is configurable from 0 - 65535 seconds), until a wire sheet stabilization threshold is surpassed, or both the time and threshold are surpassed.



The wire sheet Run stabilization threshold is set by the designer. It can be a temperature threshold, a pressure threshold, combinations of thresholds and timers, etc. As the wire sheet determines if the threshold is surpassed, it must write a “0” (false) or “1” (true) to r264 to allow the burner to begin throttling. The Run stabilization threshold register is considered to be a non-safety Burner register.

For More Information

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