

FORD LDM Localization - 功能 #2570

功能 # 2519 (已关闭): Ford_SYSR: System Requirement

Ford_SYSR : FS_REQ0050_V2 LDM internal Thermal Derating

2024-10-24 18:51 - 玉洁 金

状态:	已关闭	开始日期:	2024-10-28
优先级:	普通	计划完成日期:	2024-11-07
指派给:	涛 陆	% 完成:	100%
类别:		预期时间:	0.00 小时
目标版本:	H003_SW0007169.A001.8	耗时:	0.00 小时

描述		
The LDM shall have an internal NTC thermistor and monitor temperatures critical to operation. To avoid stressing the LDM, the outputs shall be derated to increase efficiency. Derating shall occur by reduction of current output. The functional outputs shall be prioritized as follows:		
	Temperature	Function Maximum Allowable Derating
125 °C	For ground LB	50 %
	HB	50 %
	Turn Indicator	50 %
	DRL/Park	50 %
	SBL	50 %
135 °C	For ground LB	70 %
	HB	70 %
	Turn Indicator	50 %

	ator	
	DRL/Park	50%
	SB L	50%
145 °C	Forecast around LB	70%
	HB	100%
	Turn Indicator	50%
	DRL/Park	50%
	SB L	Deactivated

Table 17: LDM Internal Thermal Derating Output Requirements

NOTE1: Temperature1/2/3 should refer to the LDM thermal simulation.

NOTE2: Derated functions shall recover to performance of the previous range with a 5 ° C hysteresis.
Example: If Temperature2 is reached and HB is at 50% output for thermal derating, the temperature reading of the NTC must drop to less than (Temperature2 – 5°C) before returning to 80% output and (Temperature1 – 5°C)for full performance.

子任务:	
功能 # 2742: Ford_SYER_0050_0001 : LDM Internal Thermal Derating f...	已关闭
功能 # 2743: Ford_SYER_0050_0002 : LDM Internal Thermal Derating f...	已关闭
功能 # 2744: Ford_SYER_0050_0003 : LDM Internal Thermal Derating f...	已关闭
功能 # 2746: Ford_SYER_0050_0004 : LDM Internal Thermal Derating f...	已关闭
功能 # 2747: Ford_SYER_0050_0005 : LDM Internal Thermal Derating f...	已关闭
功能 # 2748: Ford_SYER_0050_0006 : LDM Internal Thermal Derating H...	已关闭

历史记录

#1 - 2024-10-25 10:02 - 涛陆

按照DV mode给的曲线开发的，未按照FS开发

#2 - 2024-10-25 10:04 - 涛陆

涛陆 在 [#note-1](#) 中写到：

按照DV mode给的曲线开发的，未按照FS开发

SBL部分未开发

#3 - 2024-11-22 19:24 - 斌 徐

- 状态 从 新建 变更为 进行中

#4 - 2024-11-26 14:47 - 斌 徐

- 状态 从 进行中 变更为 已关闭

#5 - 2025-04-21 15:22 - 玉洁 金

- 描述 已更新。