



Re: Certification for Lear Corporation
TPMS Wheel Electronics Unit
FCC ID: KOBFTD06A
IC: 3521A-FTD06A

MODES OF OPERATION

The modes of operation are fully detailed in Ford specification ES-6L2T-1A150-AE.

The table below details the modes of operation under normal vehicle operation, factory mode = False.

Mode	Description
Interim	1 packet ASK/FSK = 9 frames ASK + 4 frames FSK once every 6 hours
Stationary	1 packet ASK/FSK = 9 frames ASK + 4 frames FSK once every 6 hours
Rotating	1 packet FSK = 4 frames once every 1 minute

The table below, from Ford specification ES-6L2T-1A150-AE, details all the modes of operation.

Table 12. Timer Periods (Tolerance is $\pm 20\%$)

Mode	Factory Mode	Pressure / Temperature Measurement Period	Motion Measurement Period	Xmit_timer / Transmission Rate	LF_measure_timer / LF Sampling Rate (Including the LF_polling_timer)	LF-polling_timer	Sensor's maximum response time to LF
Rotating (For 115psig sensor only)	True	1.0 Minute	15.0 Seconds	15.0 Seconds.	Comply with the sensor's maximum response time to LF	Comply with the sensor's maximum response time to LF	1.0 Second
Rotating (For 50psig sensor only)	True	1.0 Minute	15.0 Seconds	15.0 Seconds.	N/A (Sensor shall not measure or sample LF)	N/A (Sensor shall not measure or sample LF)	N/A (Sensor shall not measure or sample LF)
Stationary	True	1.0 Minute	10.0 Seconds	6.0 Hours	Comply with the sensor's maximum response time to LF	Comply with the sensor's maximum response time to LF	1.0 Second
Rotating (For 115psig sensor only)	False	15.0 Seconds	1.0 Minute	1.0 Minute	15.0 Seconds	1.0 Second	N/A
Rotating (For 50psig sensor only)	False	15.0 Seconds	1.0 Minute	1.0 Minute	N/A (Sensor shall not measure or sample LF)	N/A (Sensor shall not measure or sample LF)	N/A (Sensor shall not measure or sample LF)
Stationary	False	3.0 Hours	15.0 Seconds	6.0 Hours	Comply with the sensor's maximum response time to LF	Comply with the sensor's maximum response time to LF	4.0 Seconds
Interim	True	15.0 Seconds	10.0 Seconds	1.0 Minute	Comply with the sensor's maximum response time to LF	Comply with the sensor's maximum response time to LF	1.0 Second
Interim	False	15.0 Seconds	15.0 Seconds	6.0 Hours	Comply with the sensor's maximum response time to LF	Comply with the sensor's maximum response time to LF	4.0 Seconds
OFF (Production Sensors Only)	N/A	1.0 Minute	N/A	N/A	Comply with the sensor's maximum response time to LF	Comply with the sensor's maximum response time to LF	1.0 Second
OFF (Service Sensors Only)	N/A	1.0 Minute	N/A	N/A	N/A (Sensor shall not measure or sample LF)	N/A (Sensor shall not measure or sample LF)	N/A (Sensor shall not measure or sample LF)