Nissan JY00B Operational Description

The TPMS Transmitter is installed to the valve stem in each tyre of a vehicle. The unit measures tyre pressure periodically and transmits this information by RF communication to a receiver inside the vehicle. In addition, the TPMS Transmitter performs the following functions:

- Determines a temperature compensated pressure value.
- Determines any abnormal pressure variations in the wheel.
- Monitors the state of the Transmitters' internal battery and informs the receiver of a low battery condition.

Consumer Use Modes	Manufacturing & Service Modes	Mode of Operation	Explanation	Frequency of Transmission
X		Drive mode	Transmitter in normal operation - wheel is rotating and roll switch is closed	8 words every 60 seconds
	X	Learn Mode	Transmits 40 words after LF transponder activation or when sensor exits Off mode due to Roll switch closure	40 words for 1 transmission, < 5secs
	X	Factory Mode	Transmitter is in Factory mode for the next 16 or fewer Roll Switch closures after a Learn activation. The Wheel has to be rotating (roll switch closed). Meets 15.231(e) requirements.	8 words every 30 seconds.
X		Stationary Mode	Transmitter enters mode after Factory Mode or Drive Mode - Wheel is not rotating - Vehicle is stopped.	no transmission
X		Wake Mode	Transmit 8 words when sensor transitions from Stationary mode to Drive mode due to Roll switch closure	8 words for 1 transmission
X	X	Off Mode	Transmit 8 words when sensor transitions to Off mode	8 words for 1 transmission
	X	Nissan Special Mode	Pursuant to Section 15.231(a)(4), alarm conditions apply	8 words every 30 seconds if there is a deltaP
		Fast Measure Mode	Pursuant to Section 15.231(a)(4), alarm conditions apply	8 words every 30 seconds
	X	ID Response Mode	When LF interrogated by the Dealer. 15.231(a) applies.	8 words for 1 transmission