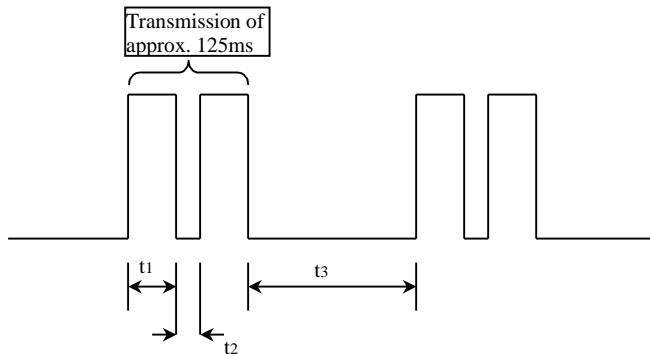


TMS10 Tyre Pressure Sensor**TASv3.hex Transmission Strategy**

Two packets of information per transmission

Each packet = t_1 = 52ms nominally*

Pause between each packet = t_2 = 20ms nominally (carrier off)

FSK modulation. Typ +/- 25kHz. Max +/- 35 KHz

Interval between each transmission = t_3

*Each packet consists of a *preamble* followed by a *sync pulse* followed by the *data*.

Production unit TMS10:

Sample Number: S0520

Default:

$t_3 = 300$ seconds nominally (there is a random element to this to prevent 'clashing')

Emergency Duty Cycle:

The unit samples every 2.5 seconds nominally. If there is a change in pressure since the last sample the unit makes 3 extra transmissions.

Sleep mode:

Units are put into a "hibernate" mode for shipping and storing. In hibernate mode no transmissions are made.

Note: Please be aware that the TMS10 will make three transmissions when the battery is connected (this is used in production to check that the units are working).

FCC/RFI Test Unit TMS10:

Sample Number: S0518

$t_3 =$ is random between 0 seconds and 1.7 seconds.