

1.1.1 TIMINGS FOR VARIOUS MODES OF OPERATION

The following table is implemented within the ASIC software of the Transmitter.

State	Pressure Sample Interval (sec)	Roll Sample Interval (sec)	LF Sample Interval (sec)	Stimulus	Next Mode or Transmit Function	Transmit Interval (sec)	Transmit Number Frames (13 – ASK+FSK) (4 – FSK)	Consumer Mode	Service Mode	Emergency Transmit Mode
Off	60	NA	1	P > 20 psi	Exit Off	Single event	13	X		
				LF Activation	Exit Off		13		X	
Stationary * Factory Stationary	60	15 10*	3.75 1*	$\Delta P > +/ - 2$ psi	RPC plus 2x PIC or PDC	Single event	13 x 3			X
				Tool-LF	Tool-LF	Single event	13		X	
				De-energize-LF	Enter Off	Single event	13		X	
				Factory-LF Exit-Fact-LF*	Factory-LF Exit-fact-LF*	Single event	13		X	
				Time, No motion detected	Normal Norm-fact*	6 hours	13	X		
				Motion detected	Wake into Rolling	Single event	4	X		
Rolling Rolling & BMT * Factory Rolling & BMT	15	60 15*	3.75 1*	$\Delta P > - 2$ psi	RPC plus 2x PDC	Single event	4 x 3			X
				Time Motion detected	Normal Norm-fact*	60 15*	4	X	X*	
				No motion detected	Interim	None	0	X		
				LF-Initiate	LF-Initiate	Single event	4	X		
Interim * Factory Interim	15	15	3.75 1*	$\Delta P > + 1$ psi $\Delta P > - 2$ psi	RPC plus 2x PIC or PDC	Single event	13 x 3			X
				Tool-LF	Tool-LF	Single event	13		X	
				De-energize-LF	Enter Off	Single event	13		X	
				Factory-LF Exit-Fact-LF*	Factory-LF Exit-fact-LF*	Single event	13		X	
				Motion detected	Rolling	None	0	X		
				Time, No motion detected	Normal Norm-fact* Stationary after 15 min	6 hours 60*	13	X	X*	