

# DORAN TYRE PRESSURE MONITORING SYSTEM



The Doran brand is not yet well known to 4WDers looking to purchase a Tyre Pressure Monitoring System (TPMS). However, Doran TPMS units are well known to purchasing officers looking to safeguard the costly tyres on earth moving equipment or heavy haulage trucks. They've earned a strong reputation for build quality in some of the most arduous and demanding environments where reliability is essential.

The Doran unit is a robust design with quality componentry ensuring reliability even in extreme operating conditions. The basic kit consists of four external valve stem mounted transmitters plus a remote receiver head unit that can be plugged into a standard cigarette lighter socket for road trips, or hard-wired for permanent use. The kit has a selection of mounting brackets to cover most installation options.

Fast, trouble-free installation is supported by easy-to-understand detailed instructions. After setting a baseline pressure (as per manufacturer's recommendations for your tyre) the Doran system provides five alarm modes. For each alert, a red LED lights up and the read-out displays an icon

describing the fault – with a hard to ignore audible be-beep.

The first alert occurs if there is a pressure drop of 12.5%, a more urgent alert alarms at 25%. There's a fast leak warning should 2.8psi or more be lost in under 12 seconds. A high-pressure warning alerts at 25% above the baseline to indicate elevated tyre temperature. The fifth alert communicates a lost sensor warning, should the monitor lose the RF sensor signal.

If the receiver is hard-wired, it continuously monitors for any changes that occur when you're out of the cab – and provides an alert as soon as the ignition is on. This is a real plus if you've had a very slow leak overnight but the wheel has a normal visual appearance.

The external wheel transmitters are well sealed against dust and moisture ingress when correctly fitted to the valve stem. After 3,000kms of being pounded over rough corrugations, blasted with thick plumes of dust, dragged through deep beach sand and dunked once or thrice they continue to function without complaint and with no loss of signal.

Extra transmitters can be purchased separately for spares or a trailer. The

clever software built into the Doran system permits a couple of button clicks to isolate sensors on the camper trailer in seconds, easily freeing the vehicle for solo exploration duties.

An external aerial is recommended to ensure a consistently reliable RF signal over longer rigs with a large caravan or big camper trailer in tow. The standard internal aerial has yet to lose a signal on the sensors fitted to our camper – and we've been 5m away after un-hitching before the lost sensor alert reminded us to isolate the trailer sensors.

Given the risk of accident, plus the cost and inconvenience of a tyre blowout; a TPMS is well worth considering. With intuitive operation, clear screen readout, prompt audible and visual alerts; the Doran TPMS provides effective background monitoring for peace of mind.

Standard RRP for a basic system complete with four sensors is \$429; additional sensors are \$66, the external aerial is \$107.25.

**For more information or to purchase a kit, visit LSM Technologies online store at [www.lsmtechnologies.com.au](http://www.lsmtechnologies.com.au).**