



ELECTRONIC CONTROL UNIT

COMMERCIAL VEHICLE TPMS COMPONENTS

The Electronic Control Unit ("ECU") can be mounted on the chassis outside the cabin. It has an integrated RF receiver and can be connected to the vehicle CAN bus.



Features

TIRE PRESSURE MONITORING:

- General Safety Regulation (GSR) compliant (Europe)
- Tire pressure by wheel location
- Temperature compensated pressure sensing
- High pressure / low pressure warning
- High temperature warning
- Spare tire monitoring

AUTO-LOCATION:

- Automatic location of all tire sensors to correct wheel positions, eliminating need for manual programming of tire sensors.

TIRE FILL ASSIST:

- Allows vehicle operator to fill tire to exact, temperature compensated, pressure rating.
- Removes the need for a separate pressure gauge.

TIRE LOCK WARNING:

- Warning when a tire does not rotate
- Can be combined with a lowered position of a tag / lift axle

TIRE BURST WARNING:

- Detects fast pressure drop caused by tire blow out
- Sends a warning signal, including specific tire location
- Allows for vehicle reaction control upon a tire burst event



SPECIFICATIONS

Packaging	IP rating	IP6k9k
	Fixing	2x M8 fixings
	Location	External to cabin and Chassis rail preferred

Functionality	RF to CAN Gateway ECU Power Supply (+12V or +24V supply) Vehicle CAN & Private CAN (antenna connection) Bus Speed (up to 1Mb) Warning strategy Algorithms Auto-location Algorithm Auto configuration of private network (antenna) Full TPM System logic Powering Strategy (on CAN message) Handling of up to 2 external RF Transceiver (eRX) Tire burst detection Tire fill assist Tire lock detect for non-abs equipped lifter axles
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