

# 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:

- GSR compliant
- 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, within 500ms of the event
- Allows for vehicle reaction control upon a tire burst event

## SPECIFICATIONS

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

<b>Functionality</b>	RF to CAN Gateway ECU Power Supply (+12V / +24V supply) Vehicle CAN & Private CAN Bus Speed (up to 1Mb) Warning strategy Algorithms Auto-location Algorithm Auto Configuration Algorithm Full TPM System logic Powering Strategy (on CAN message or KL15) Handling of up to 2 external RF Transceiver (eRX) Wheel unit Auto learn & location Tire Burst Detect and < 500ms notification Tire filling assistant Tire lock detect for non-abs equipped lifter axles
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