



Active Collision Avoidance System (ACAS)



Transmon Engineering Ltd
CONTROL & SAFETY SPECIALISTS - MATERIALS HANDLING



The scope of the system:

On selection of the reverse direction, the detection system becomes active, allowing the driver to reverse as normal. If however an object / person is detected in the path of the reversing vehicle that the driver misses (because of blind spots etc.), then the system will assist by giving the driver firstly a warning, then secondly a speed reduction and finally further assistance with the progressive application of braking force until the vehicle comes to a halt.

If the object / person can be driven around in reverse, an override button giving an audible warning and also a reduced speed can be used by the driver to allow the continuation in reverse.

The equipment is designed to not inhibit the use of the OEM braking system and works independently in a way to give ultimate control to the driver.

The Transmon Engineering Active reverse system utilises ultrasound sensors mounted to the truck.

The system comprises of 2 rear mounted sensors for objects in the path of the rear of the vehicle and 2 side sensors for objects that would be within the path of the vehicle when turning, covering the area surrounding the rear wheels of the truck.



The in-cab mounted display gives the driver a warning when an object breaches one of the 3 zones. The 3 zones can be programmed via software to adjust the detection range.

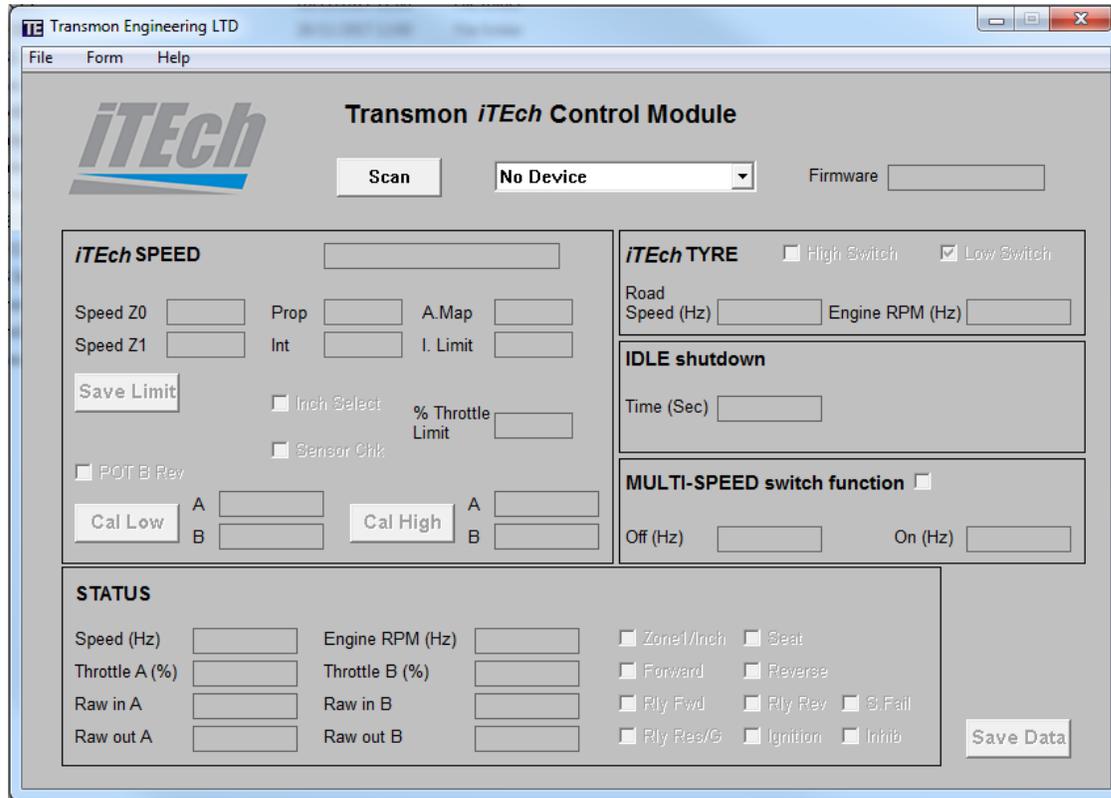




The supplied software allows full customisation of the sensors. Here adjustability can be made to:

- The detection range of the 3 zones,
- The sensitivity of the sensors,
- The detection width,
- Configuring whether top and bottom sensors are on or off
- At what speed to turn the sensors off at

All these parameters can then be saved and loaded on to other trucks.



The Transmon iTech Control software allows full control of the forward, reverse and then safety speed for the forklift truck.

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