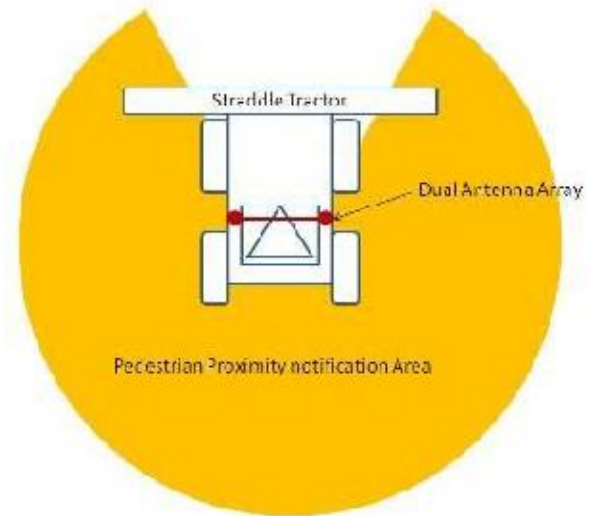






## Specifications

Operating Frequency	2.4GHz -2.5GHz ISM
Antenna Port	1 SMA female connector
RF Power Range	-18.0dBm ~ 0.0 dBm (adjusted by 32 gradients)
Receiving sensitivity	-90.0dBm
Operating Mode	FHSS or Fixed - software configurable
Modulation	GFSK
Reading Range	0-100m using RSSI
Anti - Collision y	up to 500 tags read simultaneously
Buffer capacity	2000 tags data
Communication Speed	250kbps, 1Mbps, 2Mbps adjustable
Communication interface	RS-232, RS-485, USB, Weigand 26/34/50, Ethernet
I/O	1 triggering input, 2 relays output
Options	2 Relays, CAN, RSSI, ID match function, offline function, time function
Power	AC PSU input 100-240v, 50/60Hz 1.2a DC output 5V/1a
Dimensions	134mm x 99mm x 34mm
Packing Size	284mm x 275mm x85mm
Gross weight	0.79kg
Net weight	0.25Kg
Working Temperature	-20C ~ +70C



### Pedestrian proximity alert Solution:

A tag is suitably affixed into the existing PPE headgear as illustrated. The reader with a power split antenna array is mounted to the vehicle's cab roof and connected to the 2.4Ghz reader. Using both power and RSSI functions of the tags and reader, a predictable zone will be defined surrounding the installed vehicle thus alerting the driver that a pedestrian is in close proximity when within the zone. The solution, in no way replaces all existing high visibility safety mechanisms traditionally employed, however acts a further mechanism to prevent injury. Tenacent SA recommends a battery management console to check battery life of tags. Tag life is expected at 3 to 5 years and can no way be accurately estimated. By implimenting this solution you indemnify Tenacent SA of any injury or damage that may arise out of reliance upon the technology or solution.

