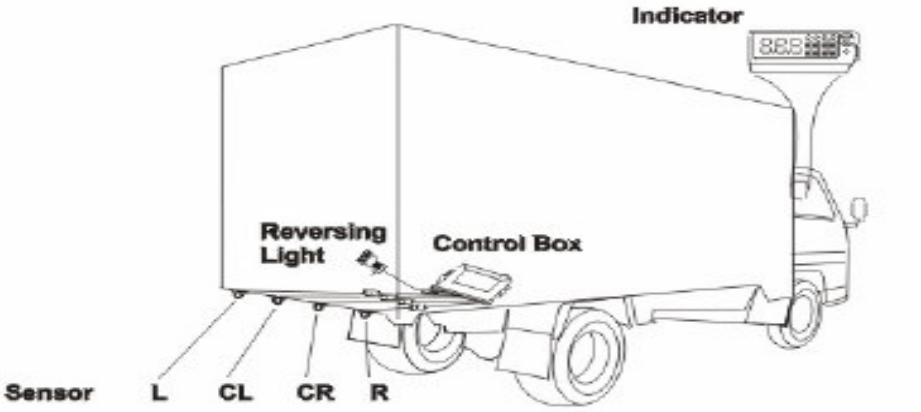
Product Operation Description of RFDP4852

This product is the display part of a parking sensor system, which is designed with ultrasonic technology to assist the driver to parking or reversing the vehicle. This product will be placed on the dashboard of the vehicle for display. It would be operated with the controller part of the parking sensor system. See below picture for the installation information of the system.



This product is powered by the same power source, which would be DC 12V from the vehicle lead-acid batteries, as the reverse lights.

The main function of the product is to receive the RF signal from controller part of the same system, demodulate the signal and display the distance reading in the LED display segments. RF link is setup between the product and the controller part in 2FSK half-duplex form. While in the power on handshake period, RF signal for controller ID confirmation would be transmitted from the product to the controller. Also while the 'link' button is pressed, RF signal for inquiry of the controller part ID will be sent out. It only happens on the first-time operation, and there is no need to press the 'link' button again next time unless the controller part is replaced with a new one.

Integral antenna is used. The frequency range of the product is 915.11MHz and 916.58MHz. The half-duplex RF link of the system will be auto tuned to one of above channel that is available.

What is more, audible beeping would be emitted from the buzzer of the product to alarm the driver of the distance of an object up to 1.5 meters.