

System Description of Operation

2001 Navistar RKE Transmitter Yazaki North America P/N: 3817900-280, Navistar P/N: 3544938c2

The RKE transmitter consists of the housing, four control buttons, a microcontroller, a 315 MHz SAW stabilized oscillator, and one 3-volt lithium battery. The microcontroller generates a rolling code that switches the RF oscillator ON/OFF. The integrated PCB trace antenna then radiates the RF signal.

Once a button (Lock, Unlock, Panic, and Aux.) is activated, the microcontroller impresses the coded data onto the RF oscillator. The RF carrier is then turned off by the microcontroller after a preset time even if the button is held down.