



EL2535 Wireless Repeater operation description

The Electronics Line 3000 Ltd. Wireless Repeater EL2635 (also known as Range Extender) is part of the Infinite® Intrusion Alarm System. The EL2635 cannot function as a power amplifier for non-registered devices. That is, it will re-transmit devices that were previously registered to it during the Intrusion Alarm System installation.

This is achieved by:

1. Demodulating received signals
2. Identify the devices' unique code from the demodulated signal
3. Compare to the internal registered device list
4. Modulate and re-transmit ONLY devices that are registered

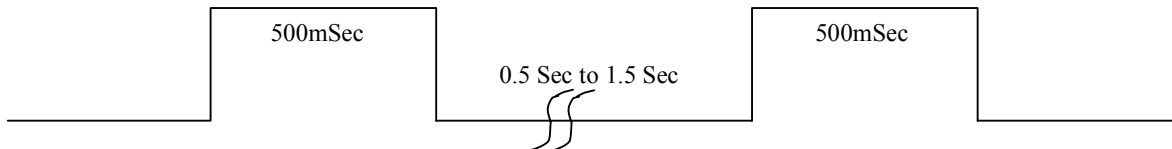
The EL2635 can handle up to 8 Wireless devices, such as PIR detectors, Magnet Open/Close Door detectors.

Re-transmission captures half the airtime of the original device, by using X2 clock for the re-transmission.

Transmitter in use is TX FM MELAXIS

ANT' in use is WEAP

Wireless device RF transmission pattern (any Electronics Line 3000 Ltd. Wireless device):



EL2635 re-transmission of registered device RF transmission pattern:

