Technical Article

VIDEO: Building Security with Glass Break Detection

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Connect: Building Security with Glass Break Detection

Systems design engineer, Brian, shows us a really cool glass break and fire/carbon monoxide (CO) alarm detection demo for a building security system using the SimpleLink™ CC1312 wireless MCU. This board has the capabilities to seamlessly switch between a glass break detector and a fire/CO alarm detector with the flip of a switch. The detection algorithms leverage Fourier Transforms, zero point axis crossing for the glass break detector, as well as temporal pattern detection for the fire and CO alarm detection. Detection can either be initiated by the sound pressure level (comparator based) or frequency spectrum based (ADC Directly). Check it out!

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