

Figure 2: Adjustable Dead Time

In addition to the benefits of a space-saving IC, advanced configurability allows designers to further fine-tune their solutions. The [MP28167-A](#) is a configurable buck-boost converter with integrated output voltage scaling and adjustable output current limit functionality for USB PD applications. It provides more advanced configuration options via an I²C interface, and protections include over-voltage protection, configurable soft start, and thermal shutdown (see Figure 3).

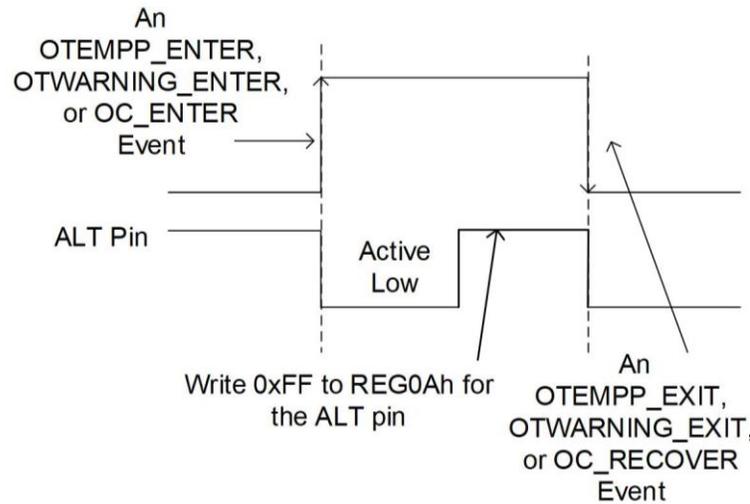


Figure 3: Configurable Protections for the MP28167-A

These devices provide configurable parameters, uniquely small package sizes, and innovative features for a flexible design. Regardless of what design parameter needs to be optimized, MPS has a wide variety of solutions that can be optimized for thermals or smaller solution size. The adaptability of these [MPS solutions](#) ensure that there will always be integrated, high power density products ready to meet the ever-increasing specifications and needs of the quickly growing power management industry.